

PEARL HARBOR ATTACK

HEARINGS

BEFORE THE

JOINT COMMITTEE ON THE INVESTIGATION OF THE PEARL HARBOR ATTACK

**CONGRESS OF THE UNITED STATES
SEVENTY-NINTH CONGRESS**

FIRST SESSION

PURSUANT TO

S. Con. Res. 27

**A CONCURRENT RESOLUTION AUTHORIZING AN
INVESTIGATION OF THE ATTACK ON PEARL
HARBOR ON DECEMBER 7, 1941, AND
EVENTS AND CIRCUMSTANCES
RELATING THERETO**

PART 25

PROCEEDINGS OF ROBERTS COMMISSION

Printed for the use of the
Joint Committee on the Investigation of the Pearl Harbor Attack



**UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1946**

**JOINT COMMITTEE ON THE INVESTIGATION OF THE PEARL
HARBOR ATTACK**

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*Deposition by
Chas. E. Smith*

HEARINGS OF JOINT COMMITTEE

Part No.	Pages	Transcript pages	Hearings
1	1- 399	1- 1058	Nov. 15, 16, 17, 19, 20, and 21, 1945.
2	401- 982	1059- 2586	Nov. 23, 24, 26 to 30, Dec. 3 and 4, 1945.
3	983-1583	2587- 4194	Dec. 5, 6, 7, 8, 10, 11, 12, and 13, 1945.
4	1585-2063	4195- 5460	Dec. 14, 15, 17, 18, 19, 20, and 21, 1945.
5	2065-2492	5461- 6646	Dec. 31, 1945, and Jan. 2, 3, 4, and 5, 1946.
6	2493-2920	6647- 7888	Jan. 15, 16, 17, 18, 19, and 21, 1946.
7	2921-3378	7889- 9107	Jan. 22, 23, 24, 25, 26, 28, and 29, 1946.
8	3379-3927	9108-10517	Jan. 30, 31, Feb. 1, 2, 4, 5, and 6, 1946.
9	3929-4599	10518-12277	Feb. 7, 8, 9, 11, 12, 13, and 14, 1946.
10	4601-5151	12278-13708	Feb. 15, 16, 18, 19, and 20, 1946.
11	5153-5560	13709-14765	Apr. 9 and 11, and May 23 and 31, 1946.

EXHIBITS OF JOINT COMMITTEE

Part No.	Exhibits Nos.
12	1 through 6.
13	7 and 8.
14	9 through 43.
15	44 through 87.
16	88 through 110.
17	111 through 128.
18	129 through 156.
19	157 through 172.
20	173 through 179.
21	180 through 183, and Exhibits-Illustrations.
22 through 25	Roberts Commission Proceedings.
26	Hart Inquiry Proceedings.
27 through 31	Army Pearl Harbor Board Proceedings.
32 through 33	Navy Court of Inquiry Proceedings.
34	Clarke Investigation Proceedings.
35	Clausen Investigation Proceedings.
36 through 38	Hewitt Inquiry Proceedings.
39	Reports of Roberts Commission, Army Pearl Harbor Board, Navy Court of Inquiry and Hewitt Inquiry, with endorse- ments.

INDEX TO EXHIBITS-ILLUSTRATIONS ROBERTS COMMISSION

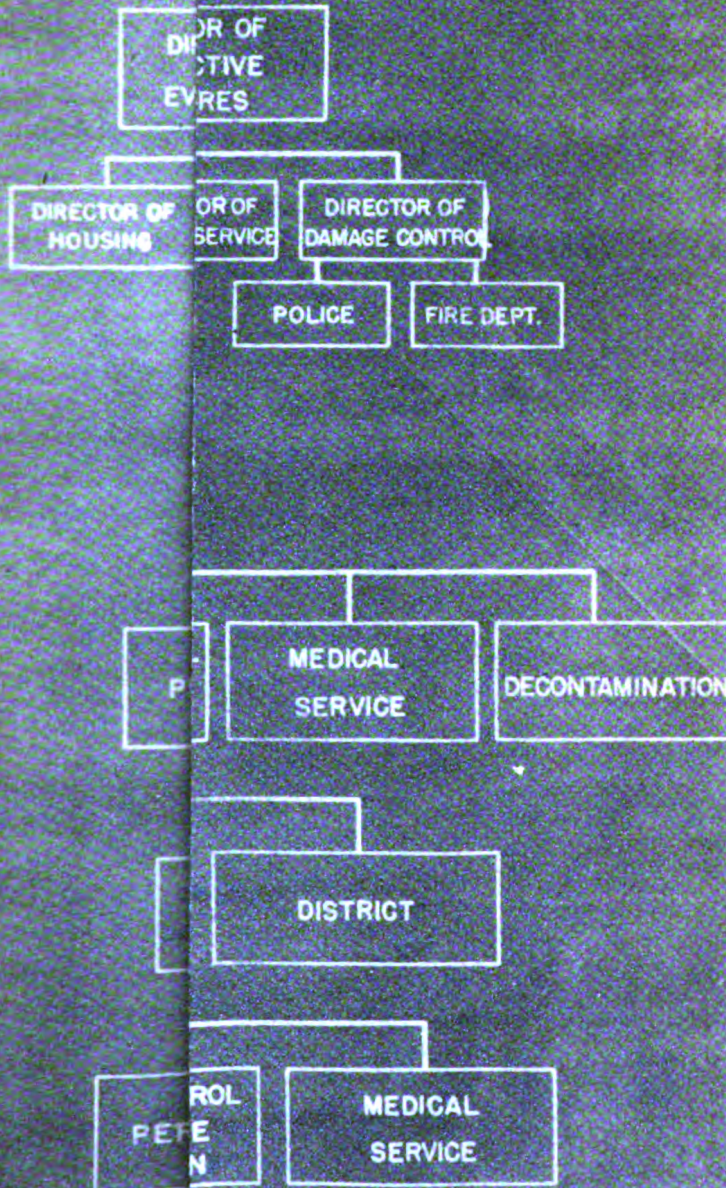
(The original Exhibit to which each illustration relates is indicated in parentheses following the description)

ITEM NO.	DESCRIPTION
1.	Organization chart, Anti-bombardment Control, City of Honolulu, October 10, 1940. (Exhibit No. 11, Navy Packet 1.)
2.	Map of the City of Honolulu, T. H., reflecting areas of the city to be evacuated and open areas available for trench and shelter construction. (Exhibit No. 11, Navy Packet 1.)
3.	Map of the Island of Oahu, T. H., reflecting division of the island into Control Districts. (Exhibit No. 11, Navy Packet 1.)
4-16.	Series of twelve architectural drawings, being plans for the construction of various types of air-raid shelters. (Exhibit No. 11, Navy Packet 1.)
17.	Sketch illustrating the required overhang to prevent effect of explosion from reacting on an underground structure. (Exhibit No. 11, Navy Packet 1.)
18.	Graph showing penetration of concrete slab by action of falling bombs. (Exhibit No. 11, Navy Packet 1.)
19.	Graph showing thickness of concrete slab perforated by explosion. (Exhibit No. 11, Navy Packet 1.)
20.	Graph showing depth penetrated by explosion on the surface of various materials. (Exhibit No. 11, Navy Packet 1.)
21.	Graph showing approximate depth of penetration for unit sectional density of bomb. (Exhibit No. 11, Navy Packet 1.)
22.	Graph showing racial composition of the Territory of Hawaii. (Exhibit No. 15, Navy Packet 1.)
23.	Graph showing Japanese activities in the Territory of Hawaii. (Exhibit No. 15, Navy Packet 1.)
24.	Graph showing Japanese Consular Organization in Hawaii. (Exhibit No. 15, Navy Packet 1.)
25.	Graph showing Japanese Language Schools in Hawaii. (Exhibit No. 15, Navy Packet 1.)
26.	Graph relating to United Japanese Society of Honolulu. (Exhibit No. 15, Navy Packet 1.)
27.	Graph showing major Foreign Controlled Japanese Corporations. (Exhibit No. 15, Navy Packet 1.)
28.	Graph showing Alien Japanese Controlled Corporations in Hawaii. (Exhibit No. 15, Navy Packet 1.)
29.	Graph relating to HOMPA HONEWANJI organization in Territory of Hawaii. (Exhibit No. 15, Navy Packet 1.)
30.	Graph relating to JODO-SHU organization in Territory of Hawaii. (Exhibit No. 15, Navy Packet 1.)
31.	Graph relating to Overseas Japanese Central Society. (Exhibit No. 15, Navy Packet 1.)
32.	Graph relating to Communist Activities in Territory of Hawaii. (Exhibit No. 15, Navy Packet 1.)
33.	Graph relating to German Activities in Territory of Hawaii. (Exhibit No. 15, Navy Packet 1.)
34.	Graph relating to Italian Activities in Territory of Hawaii. (Exhibit No. 15, Navy Packet 1.)
35.	Map of the Island of Oahu, T. H., showing main military and naval establishments. (Exhibit No. 1, Navy Packet 2.)
36.	U. S. Navy Aviation Chart of the Hawaiian Islands showing the location of Mobile Aircraft Warning Service Radar Stations as of 7 December 1941 with sectors showing coverage to the electrical horizon. (Exhibit No. 2, Navy Packet 2.)

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- 37-38. Mooring and Berthing Plan of Pearl Harbor, showing air defense sectors. The original exhibit contained two marked copies of this plan. (Exhibit No. 10, Navy Packet 2.)
- 39. Graph showing air patrols as ordered for protection of the Task Force. (Exhibit No. 19, Navy Packet 2.)
- 40. Diagram of Zigzag Plan No. 60. (Exhibit No. 19, Navy Packet 2.)
- 41. Diagram of Zigzag Plan No. 61. (Exhibit No. 19, Navy Packet 2.)
- 42-43. Photographs showing bomber formations and illustrating "shorts" in antiaircraft fire and the altitude of attacking planes at Pearl Harbor on 7 December 1941. (Exhibit No. 24, Navy Packet 2.)
- 44. Rough sketch map of Pearl Harbor showing a berthing plan for ships berthed inserted on the map. (Exhibit No. 33, Navy Packet 2.)
- 45. Diagram of Standard Anti-Submarine Patrol for Single Aircraft on Escort Duty. (Exhibit No. 33, Navy Packet 2.)
- 46. Diagram attached to communication dated 18 December 1941 at Pearl Harbor, captioned "Air patrol plan for sortie and entrance No. 1." (Exhibit No. 33, Navy Packet 2.)
- 47. Sketch showing location and number of sentries to man the Security Watch Posts. (Exhibit No. 33, Navy Packet 2.)
- 48. Military Map "BB", showing a gridded basic square superimposed on a map of the Island of Oahu for location of positions in that area. (Exhibit No. 33, Navy Packet 2.)
- 49. Two Figures explaining the unified grid system for location of positions. (Exhibit No. 33, Navy Packet 2.)
- 50-53. Copies of Radar Plots furnished the Roberts Commission by Admiral Bellinger. (Exhibit No. 43, Navy Packet 2.)
- 54-84. Photographs taken during the attack and thereafter at Kaneohe Bay indicating damage done at the field. (Exhibit No. 44, Navy Packet 2.)
- 85. Chart of Pearl Harbor showing location of various units of the Fleet. (Exhibit No. 48, Navy Packet 2.)
- 86. Vertical photograph of Wheeler Field. (Exhibit No. 1, Army.)
- 87. Vertical photograph of Haleiwa Field. (Exhibit No. 1, Army.)
- 88. Vertical photograph of Bellows Field. (Exhibit No. 1, Army.)
- 89. Progress map relating to bunker construction, Wheeler Field. (Exhibit No. 1, Army.)
- 90. Secret "OPN Map Annex 1 to accompany FO1 Fixed Installations," Island of Oahu, T. H. (Exhibit No. 1, Army.)
- 91. Secret map of "Hawaiian Defense Project, 1941—Antiaircraft Dispositions." (Exhibit No. 1, Army.)
- 92. Map showing military reservations of the Island of Oahu, T. H. (Exhibit No. 1, Army.)
- 93. Special Military Map "AA" of the Hawaiian Islands. (Exhibit No. 1, Army.)
- 94. Map showing ground defenses at Hickam Field. (Exhibit No. 5, Army.)
- 95. Chart of Hickam Field showing the disposition of aircraft at the time of the attack. (Exhibit No. 5, Army.)
- 96. Map showing Communications Installations, Island of Oahu, T. H. (Exhibit No. 7, Army.)
- 97. Map showing Bridges, Police Districts and other important installations, Island of Oahu, T. H. (Exhibit No. 7, Army.)
- 98. Map showing electrical installations, Island of Oahu, T. H. (Exhibit No. 7, Army.)
- 99. Layout map showing general plan of Bellows Field. (Exhibit No. 12, Army.)
- 100-104. Maps and Overlays relating to landing and dispersal of aircraft, Bellows Field. (Exhibit No. 14, Army.)
- 105. Sketch showing location of aircraft in Hawaiian Air Depot Shops on 7 December 1941. (Exhibit No. 15, Army.)
- 106. Diagram showing the location of various aid stations. (Exhibit No. 16, Army.)
- 107. Sketch of a Japanese Navy Single Seat Pursuit Plane, 1941. (Exhibit No. 16, Army.)
- 108. Map of Island of Oahu, T. H., showing communications installations (Exhibit No. 28, Army.)
- 109. Map of Island of Oahu, T. H., showing various important installations. (Exhibit No. 28, Army.)

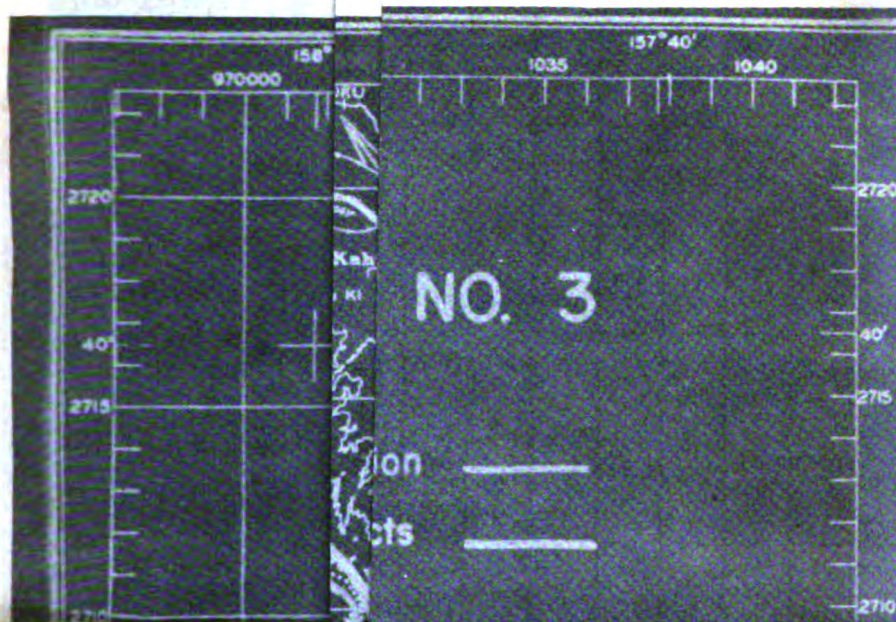
110. Map of Island of Oahu, T. H., showing electric power installations. (Exhibit No. 28, Army.)
111. Map of Island of Oahu, T. H., showing supply and evacuation installations. (Exhibit No. 28, Army.)
112. Partial Road Map, Schofield Barracks. (Exhibit No. 28, Army.)
113. Map of Island of Oahu, T. H., showing communications installations. (Exhibit No. 29, Army.)
114. Map of Island of Oahu, T. H., showing various important installations. (Exhibit No. 29, Army.)
115. Map of Island of Oahu, T. H., showing electrical installations. (Exhibit No. 29, Army.)
116. Map of Island of Oahu, T. H., showing communications installations. (Exhibit No. 30, Army.)
117. Map of Island of Oahu, T. H., showing various important installations. (Exhibit No. 30, Army.)
118. Map of Island of Oahu, T. H., showing electrical installations. (Exhibit No. 30, Army.)
119. Map of Island of Oahu, T. H., showing supply and evacuation installations. (Exhibit No. 30, Army.)
120. Map of Island of Oahu, T. H., showing communications installations. (Exhibit No. 32, Army.)
121. Map of Island of Oahu, T. H., showing various important installations. (Exhibit No. 32, Army.)
122. Map of Island of Oahu, T. H., showing electrical installations. (Exhibit No. 32, Army.)
123. Radar Chart, Opana station, 7 December 1941. (Exhibit No. 33, Army.)
124. Special Military Map "AA," of the Hawaiian Island. (Exhibit No. 33, Army.)
125. Chart showing a method of searching 5-degree sectors through 360 degrees to a radius of 833 miles from Oahu employing 72 B-17 airplanes. (Exhibit No. 35, Army.)
126. Graph showing relation of 25-mile visibility to distance. (Exhibit No. 35, Army.)
- 127-128. Charts showing the radius of action of B-17D airplane under various load conditions in relation to possible plans for a carrier group attacking Oahu. (Exhibit No. 35, Army.)



ORGANIZATION CHART
BOMBARDMENT CONTROL
CITY OF HONOLULU
October 10, 1940

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ITEM NO. 3



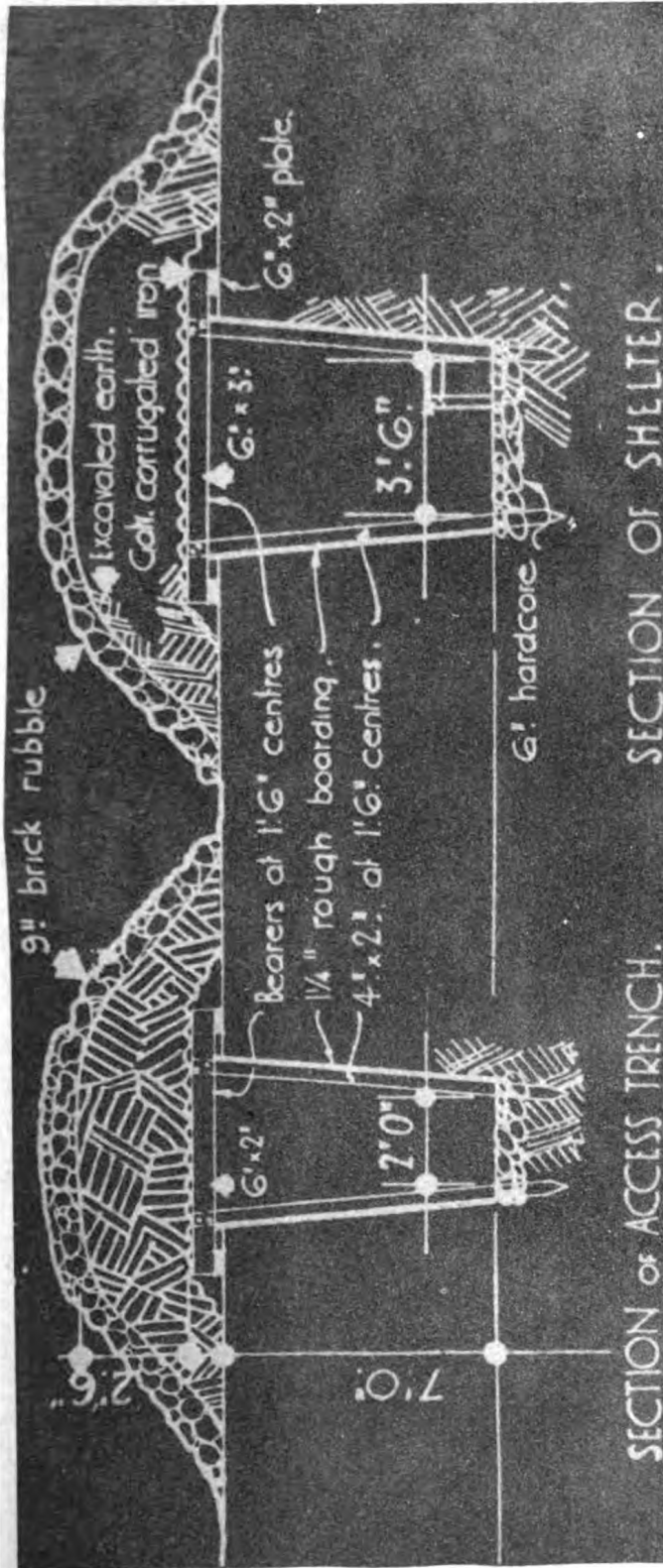
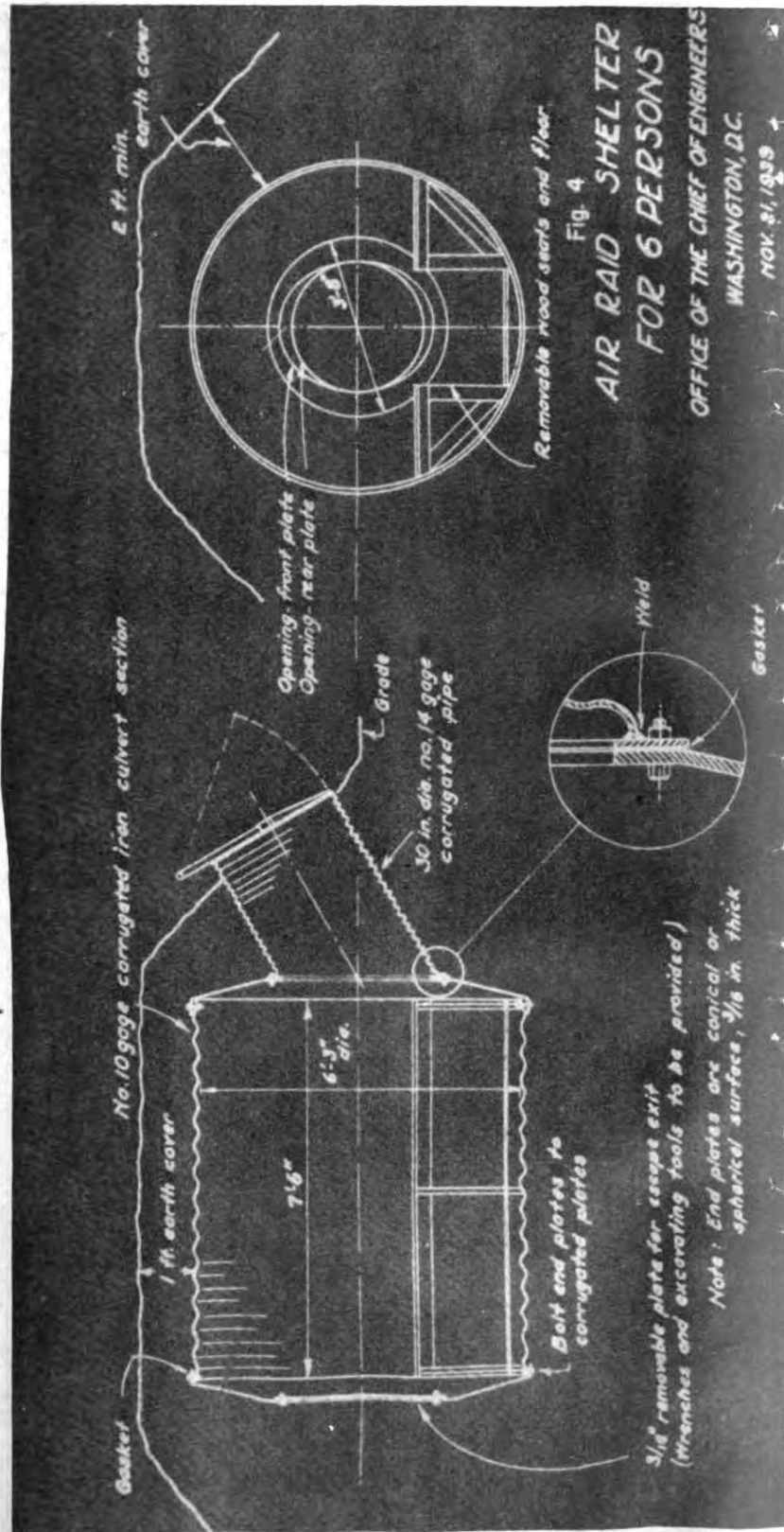


Fig. 3

"Covered trench shelters, recommended by the British Home Office" - From the Architect's Journal (London) July 7, 1938.





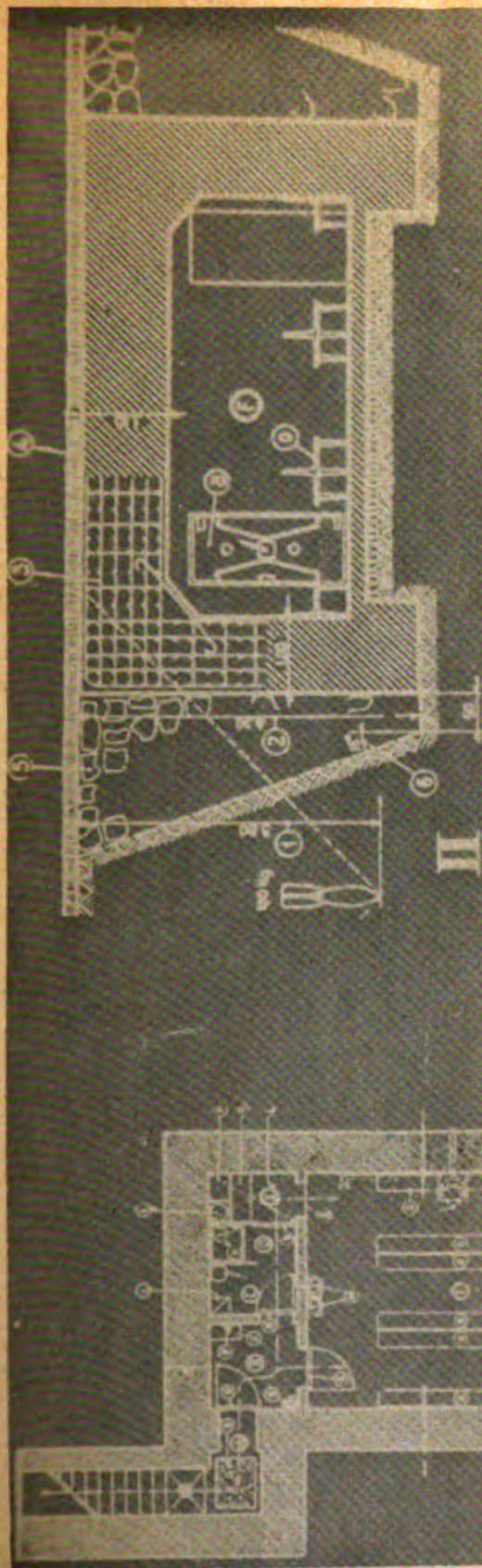
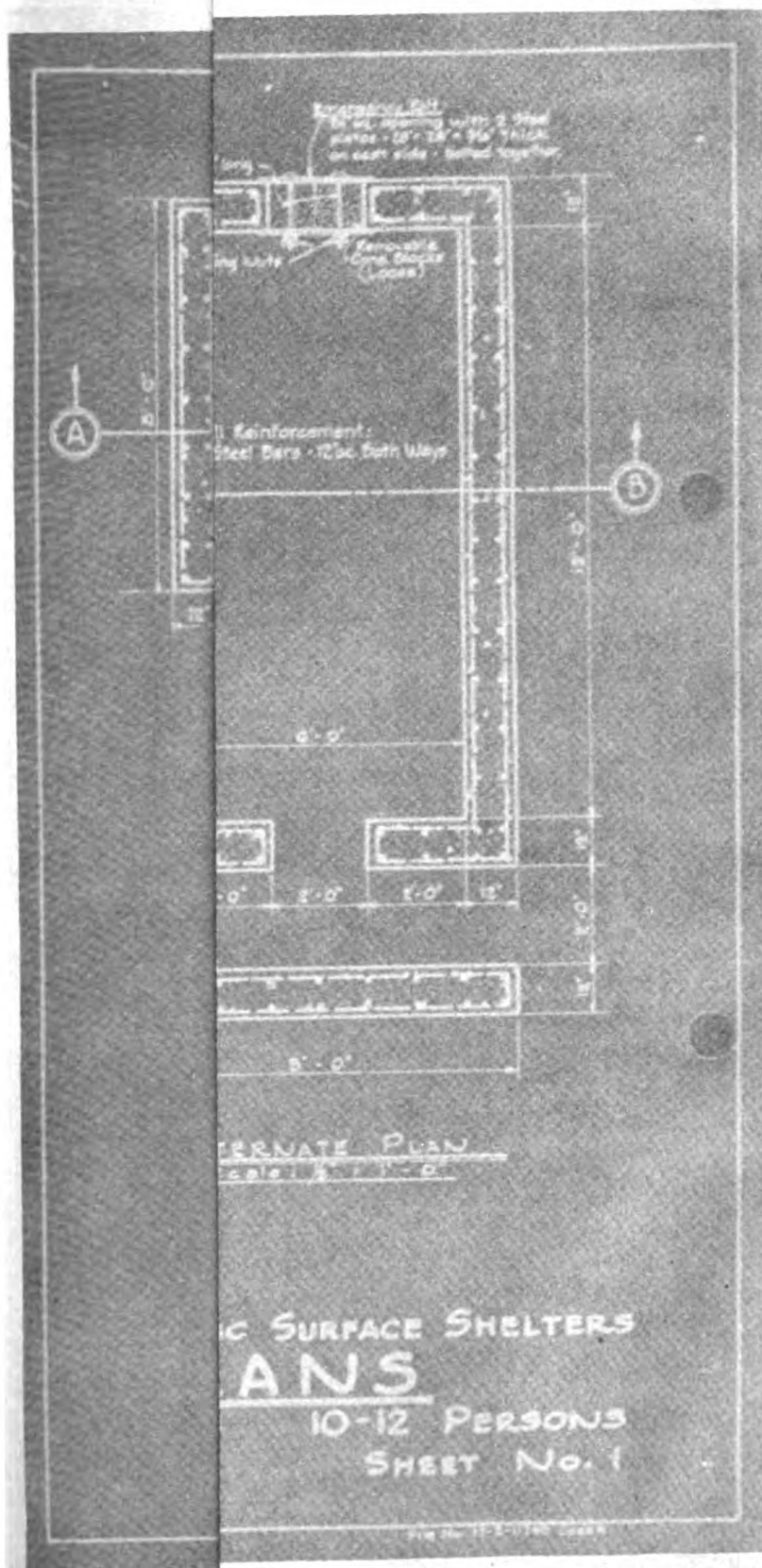
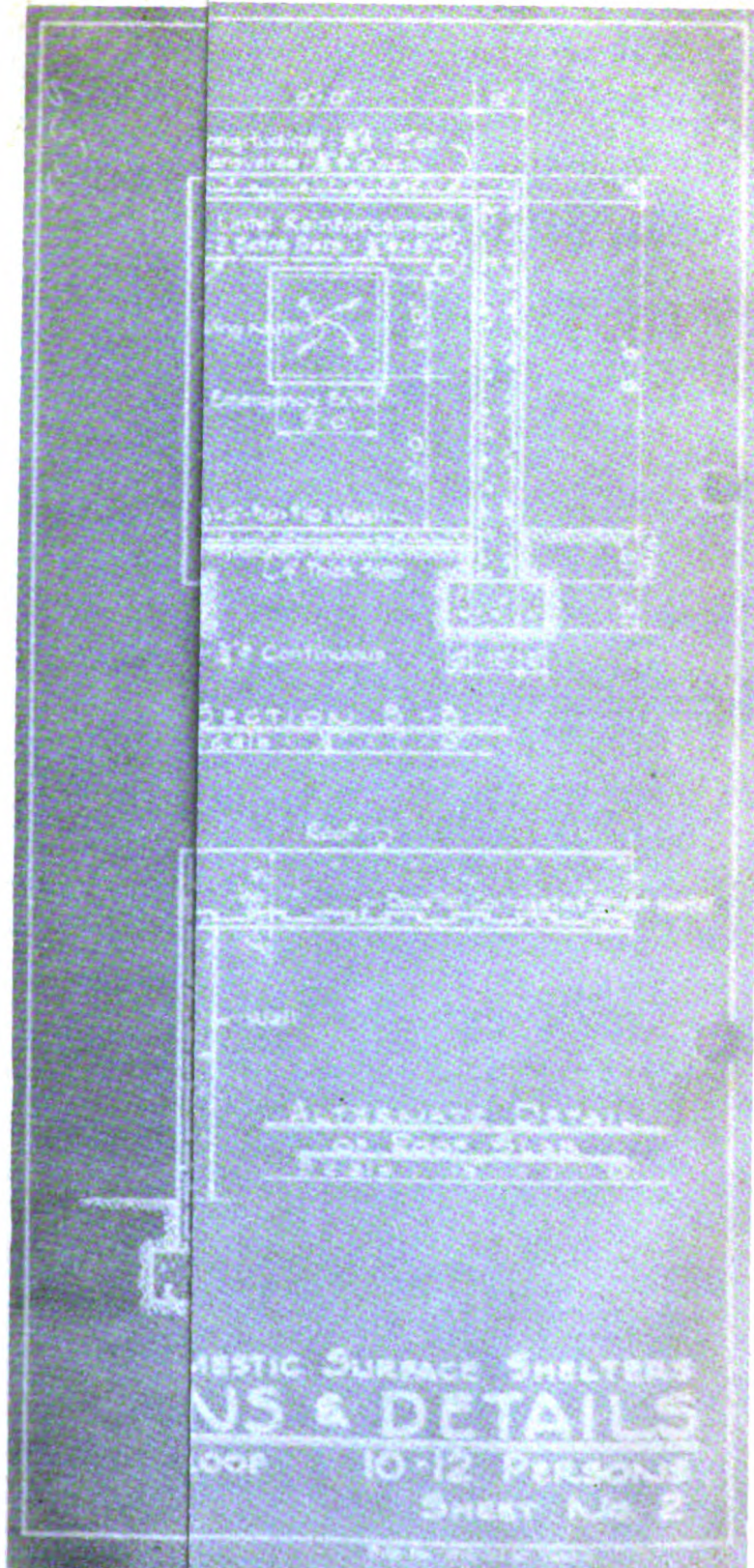
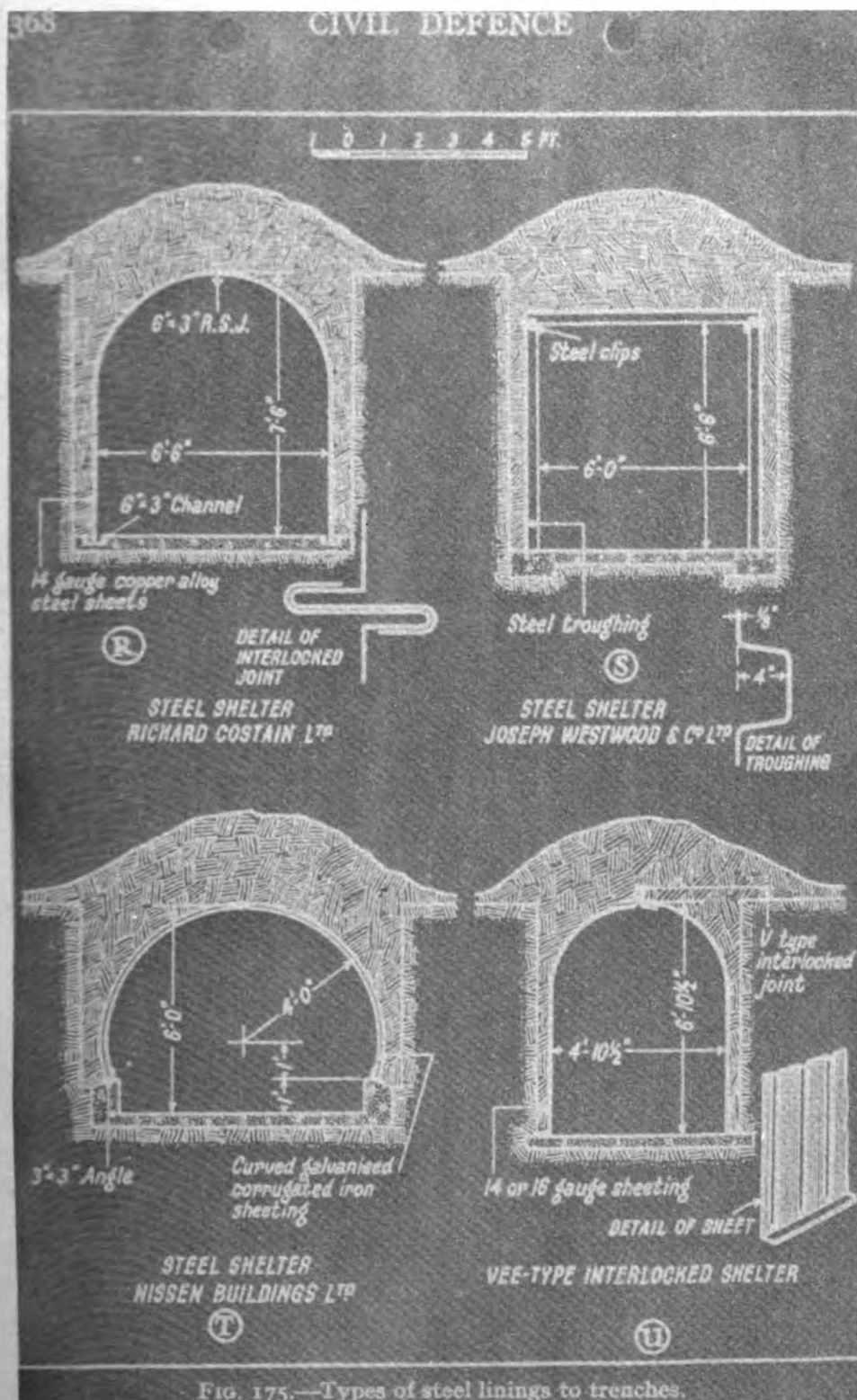


Fig. 6
 "Plan and Section of Swiss design for a
 reinforced concrete shelter" -- From The
 Architectural Association Journal (London)

July 1 1937

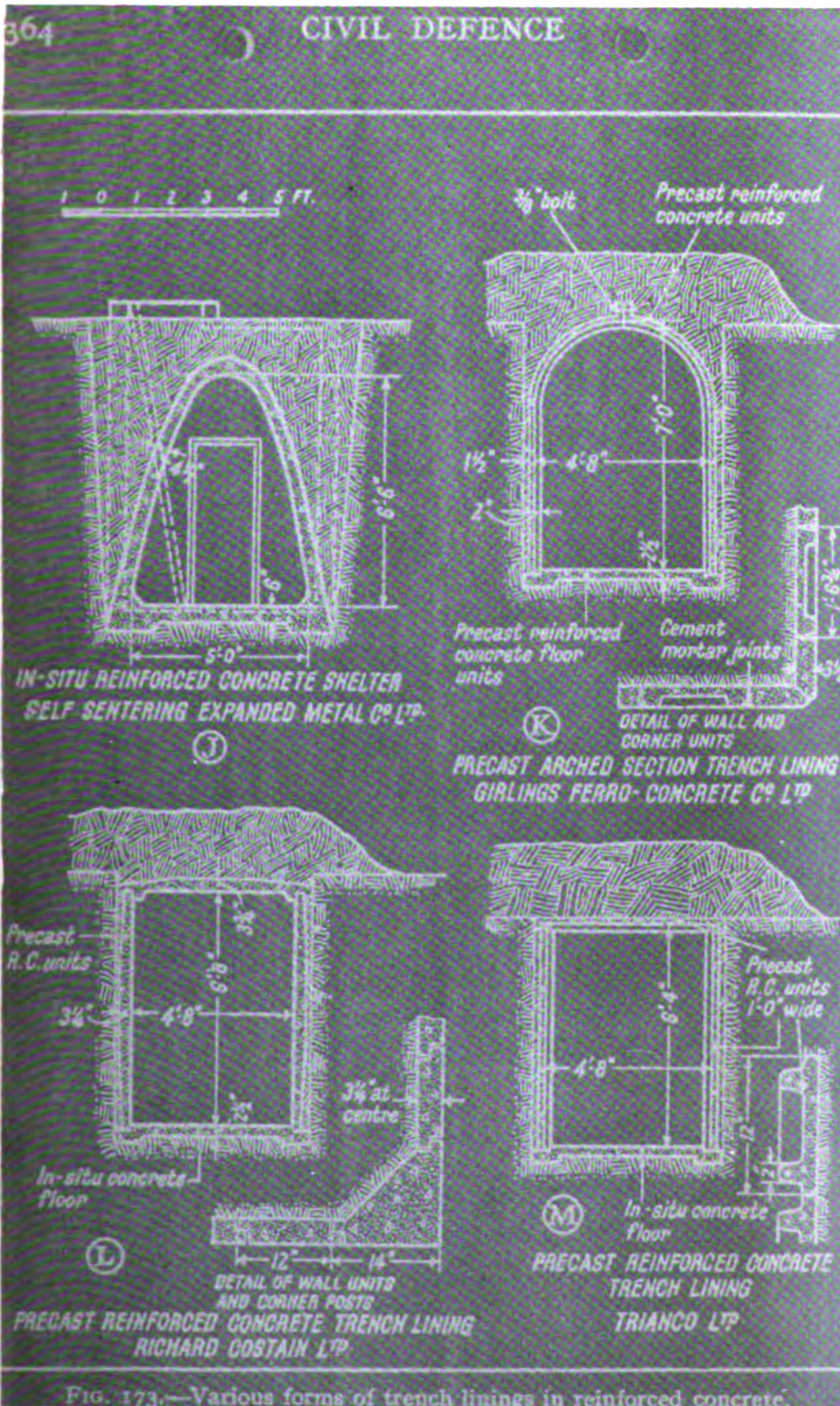






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CIVIL DEFENCE



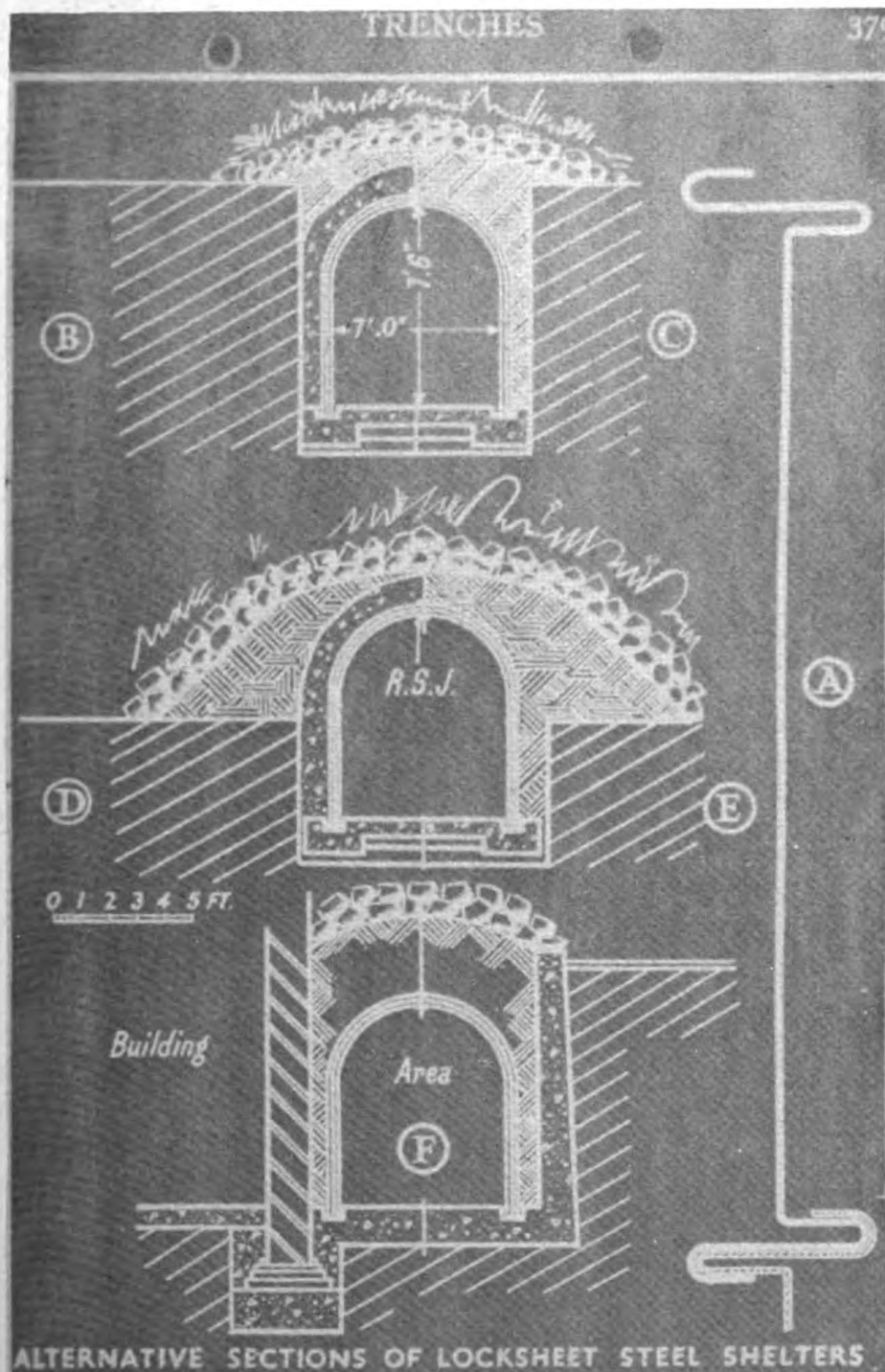
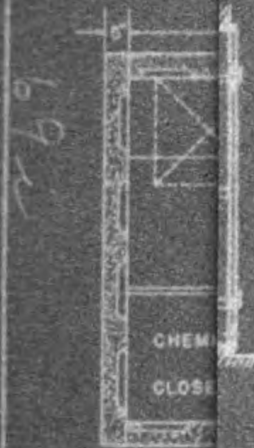
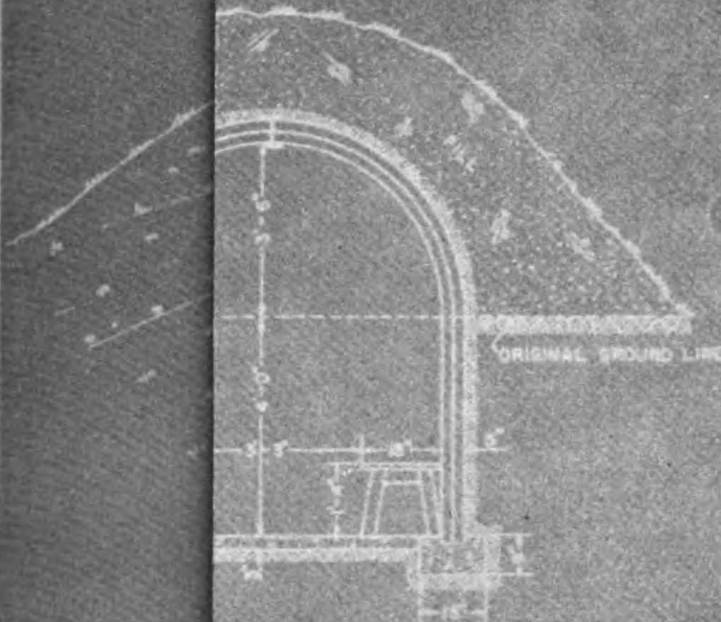


FIG. 184.—Costain's locksheet steel shelters. A, enlarged section of locksheet steel; B, constructed in deep trench and covered with concrete, earth and rubble; C, constructed in deep trench and covered with earth and rubble; D and E, partly underground, and F, in area of building.



DETAILS OF
EMERGENCY EXIT
COVER
SCALE 1" = 1'



CROSS SECTION
SCALE 1/2" = 1'

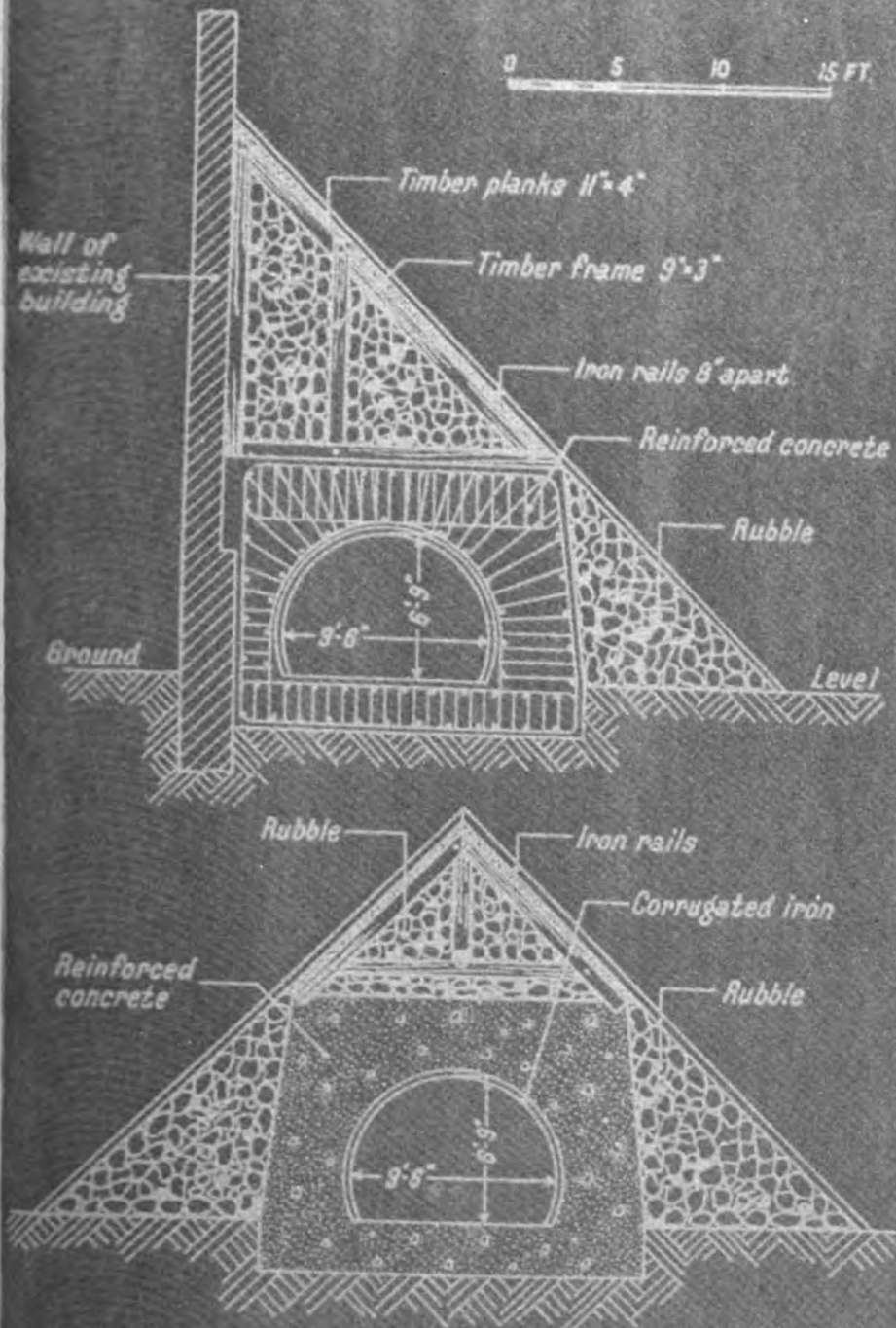
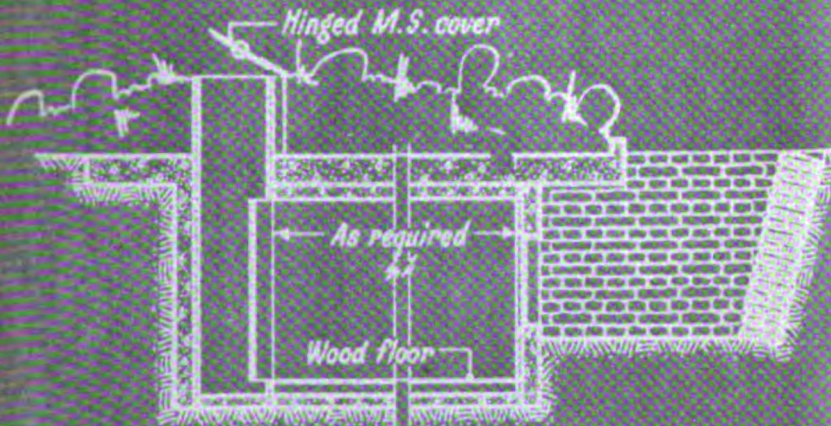
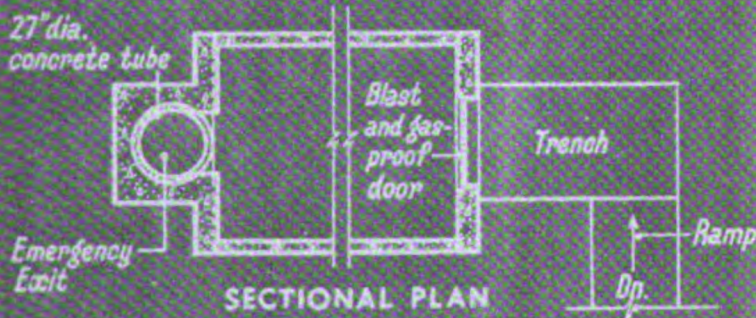


FIG. 210.—Types of above ground bomb-proof shelters as recommended by the French Government for protection against direct hits of medium weight high explosive bombs.

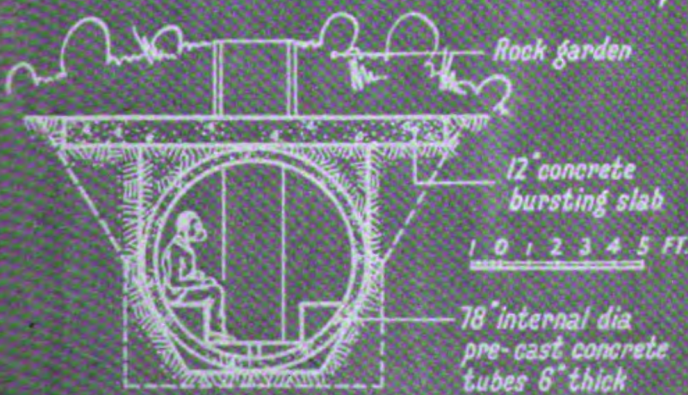
INDIVIDUAL SHELTER



LONGITUDINAL SECTION



SECTIONAL PLAN



CROSS SECTION

PRE-CAST CONCRETE TUBULAR SHELTERS

FIG. 119.—Details of a very strong and simple type of pre-cast concrete tubular shelter affording a high degree of protection and suitable for extension to accommodate fifty persons.

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INDIVIDUAL SHELTER

291

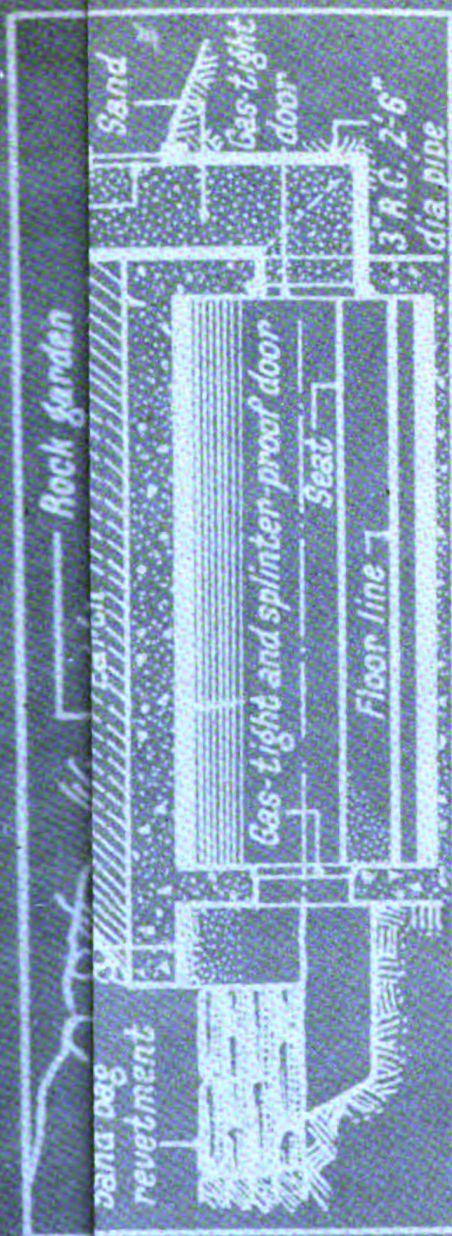


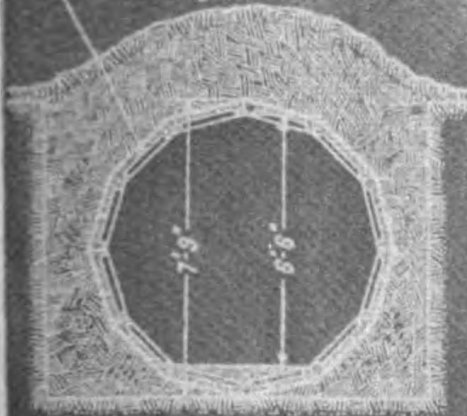
FIG. 123.—Improved tubular shelter affording a high degree of protection. Note the sand filling of the emergency exit as interior protection of the outlet (always somewhat vulnerable).

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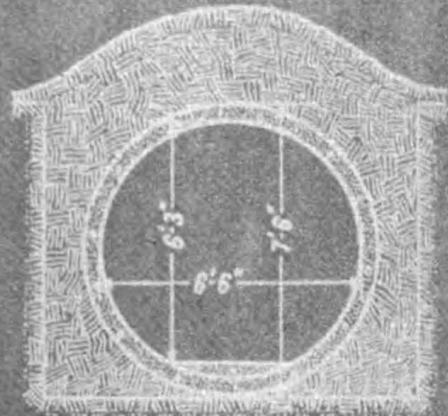
CIVIL DEFENCE

Precast concrete flanged
slabs bolted together



PRECAST CONCRETE TRENCH LINING

(N)



SPUN REINFORCED CONCRETE PIPES

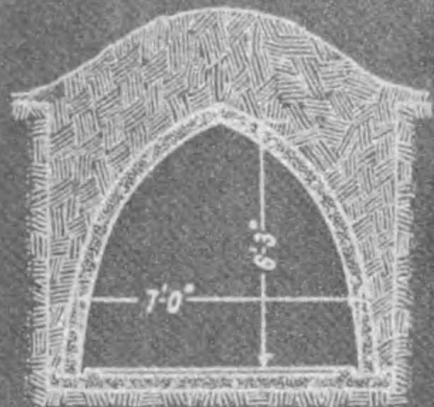
(O)

1 0 1 2 3 4 5 FT.



PRECAST REINFORCED CONCRETE
SECTIONAL TRENCH LINING
RICHARD COSTAIN LTD

(P)

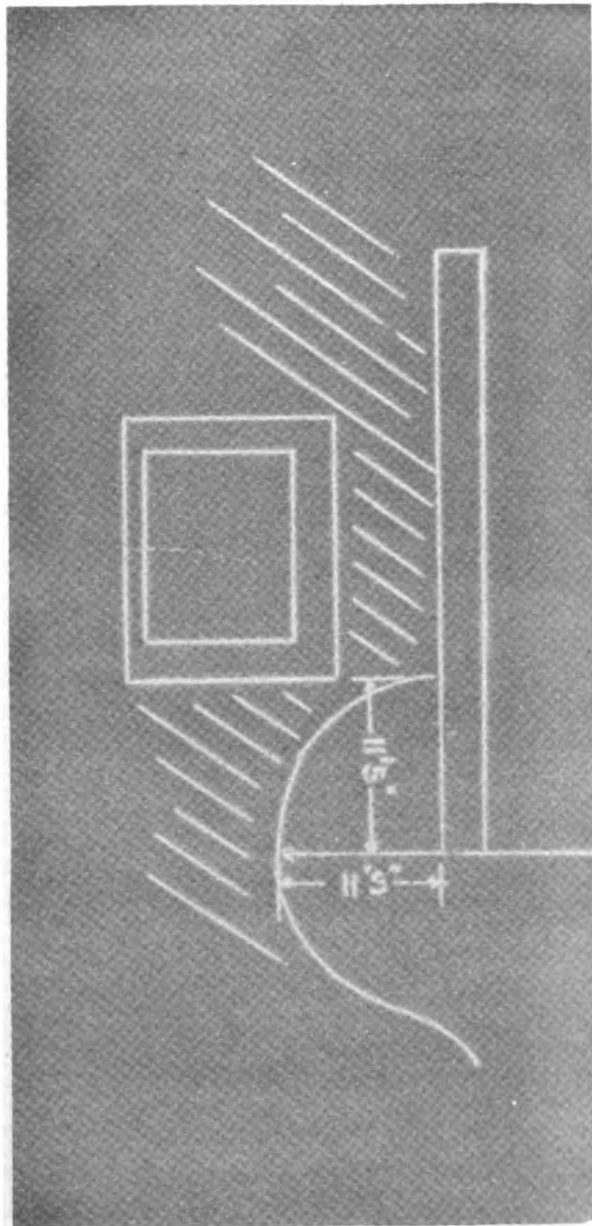


PRECAST REINFORCED CONCRETE
ARCHED SECTION LININGS
TROLLOPE AND COLLS

(Q)

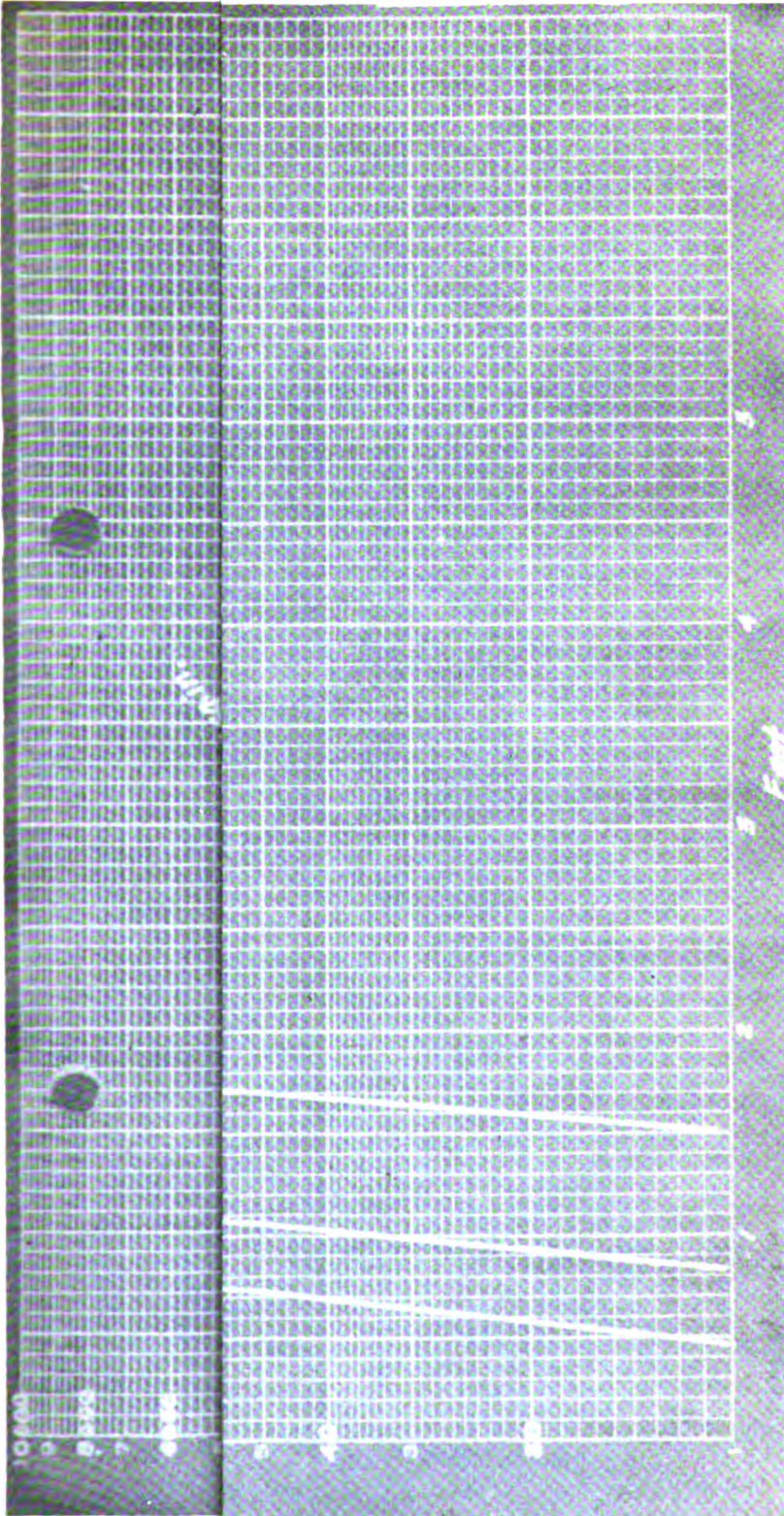
FIG. 174.—Pre-cast trench lining systems.

ITEM NO. 17



79716 O-46 RC

ITEM NO. 18



79716 O-46 RC

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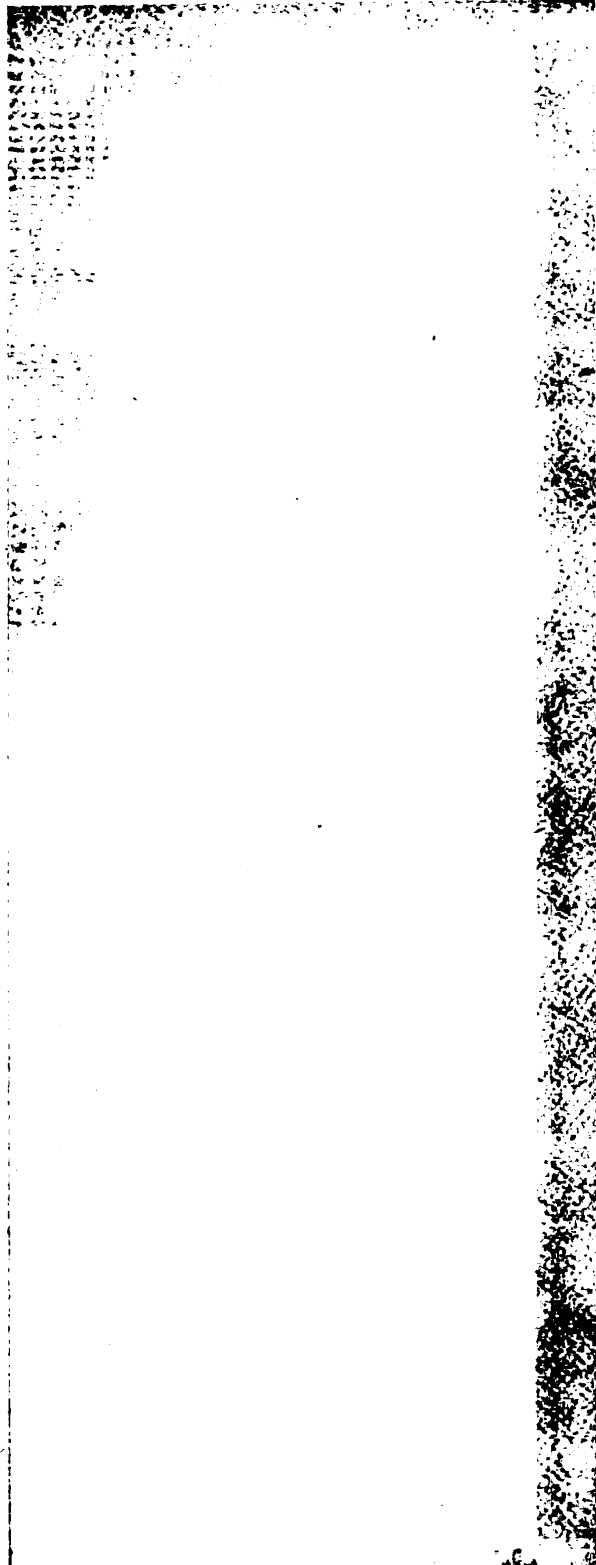
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ITEM NO. 19



79716 O-46 RC

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CIVIL DEFENCE

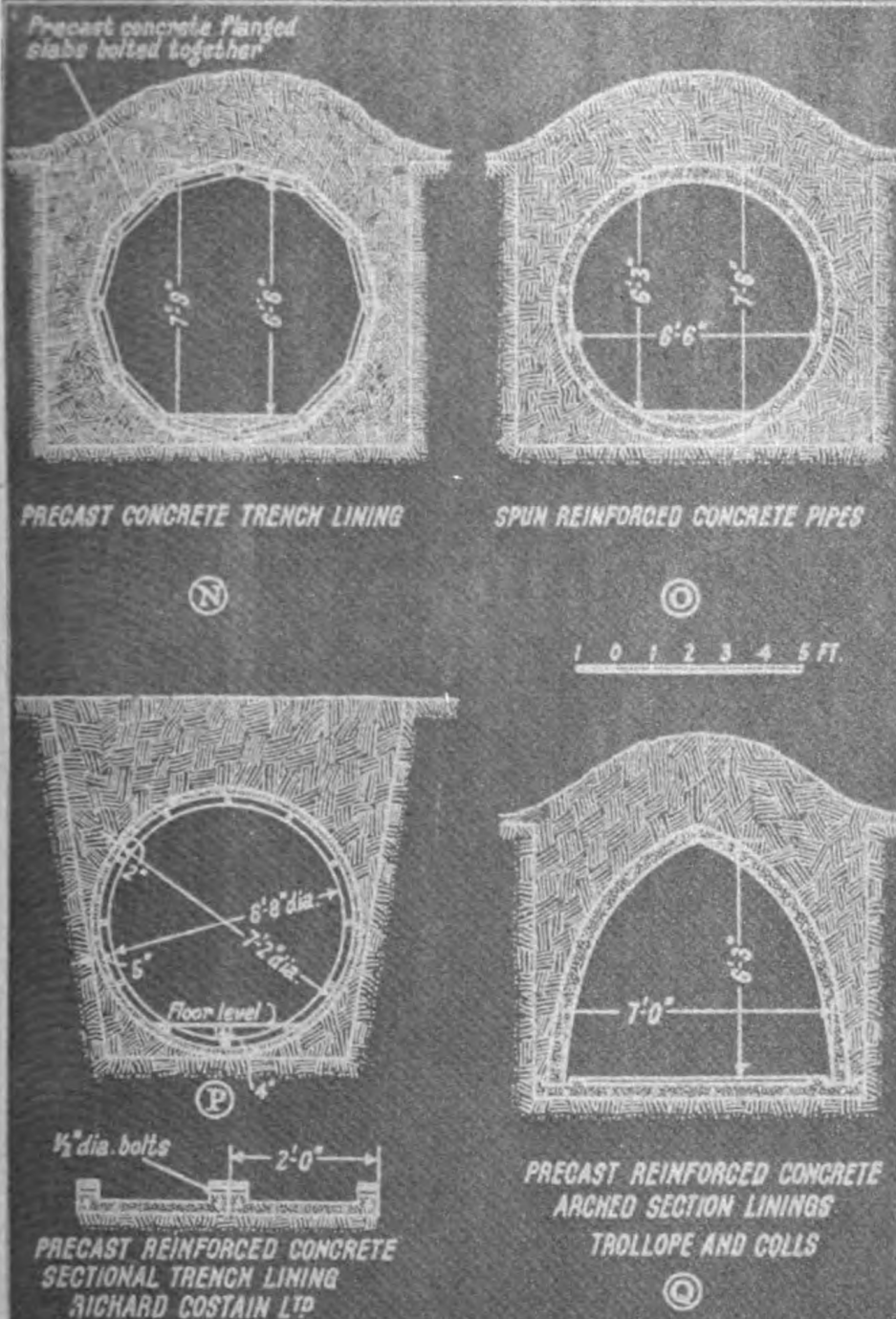
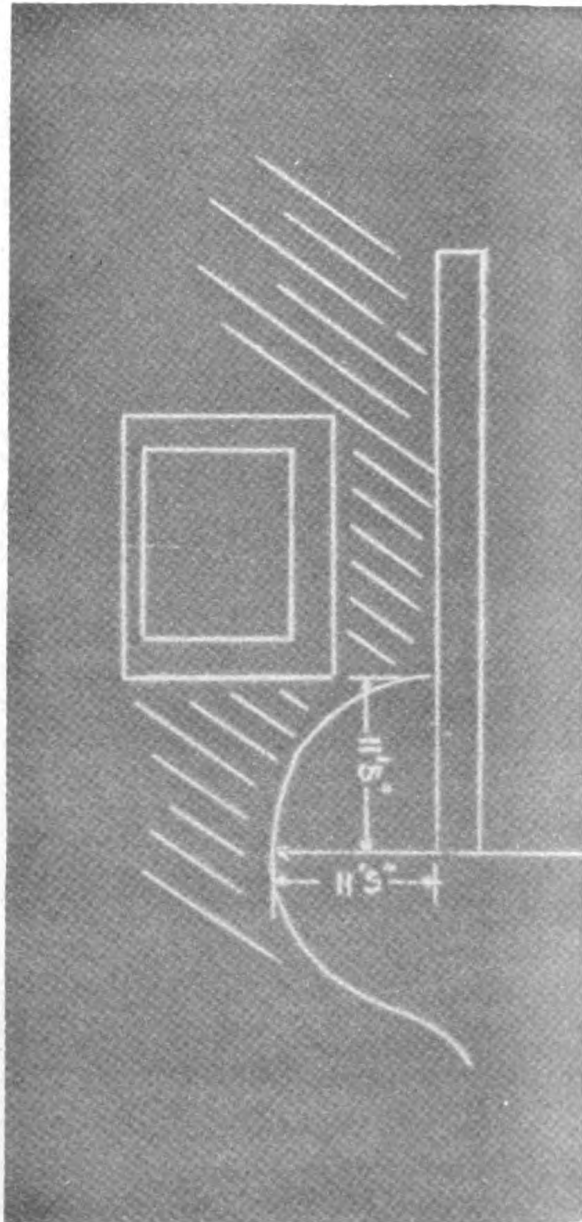


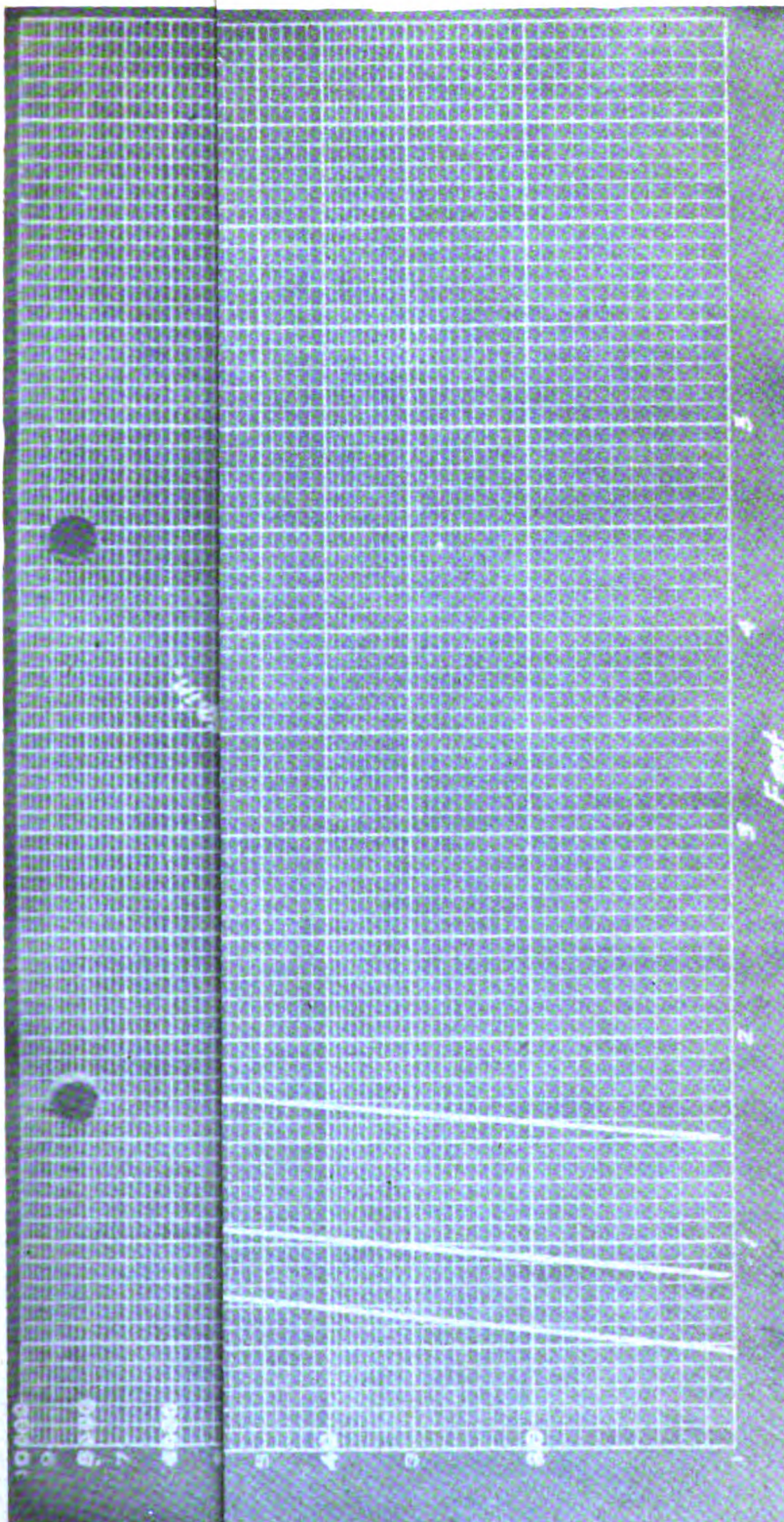
FIG. 174.—Pre-cast trench lining systems.

ITEM NO. 17



79716 O-46 RC

ITEM NO. 18



79716 O-46 RC

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ITEM NO. 19

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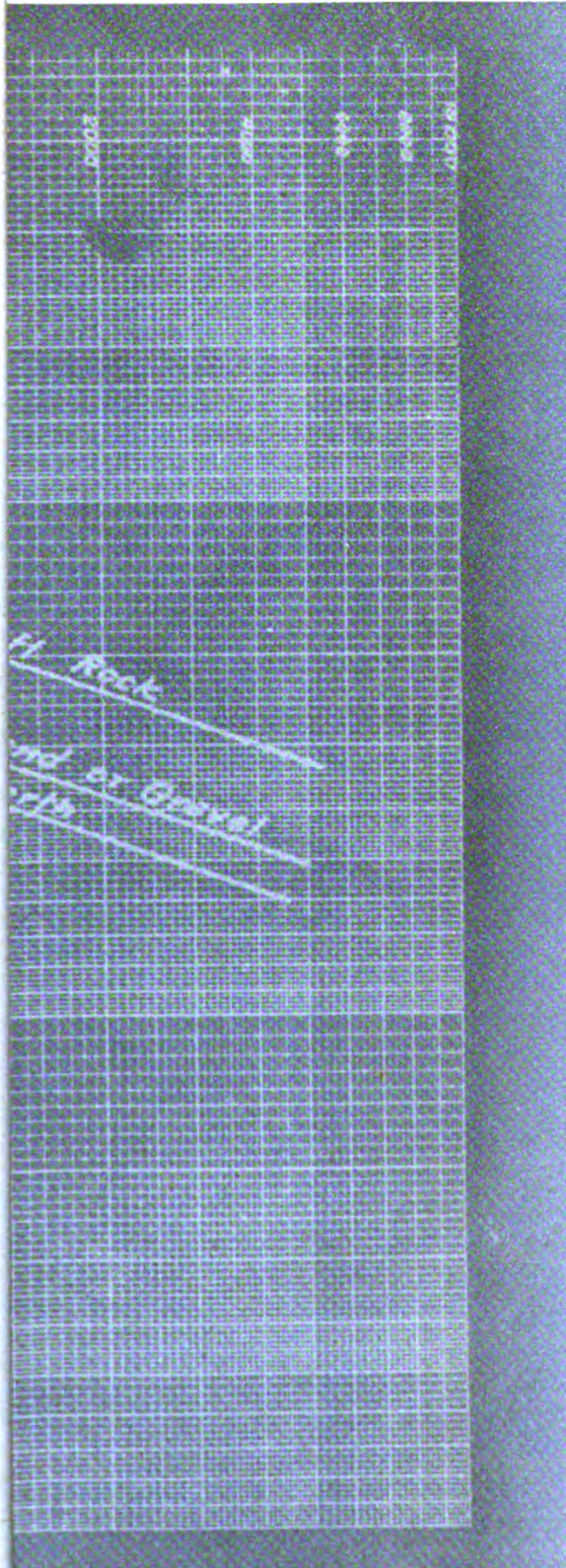
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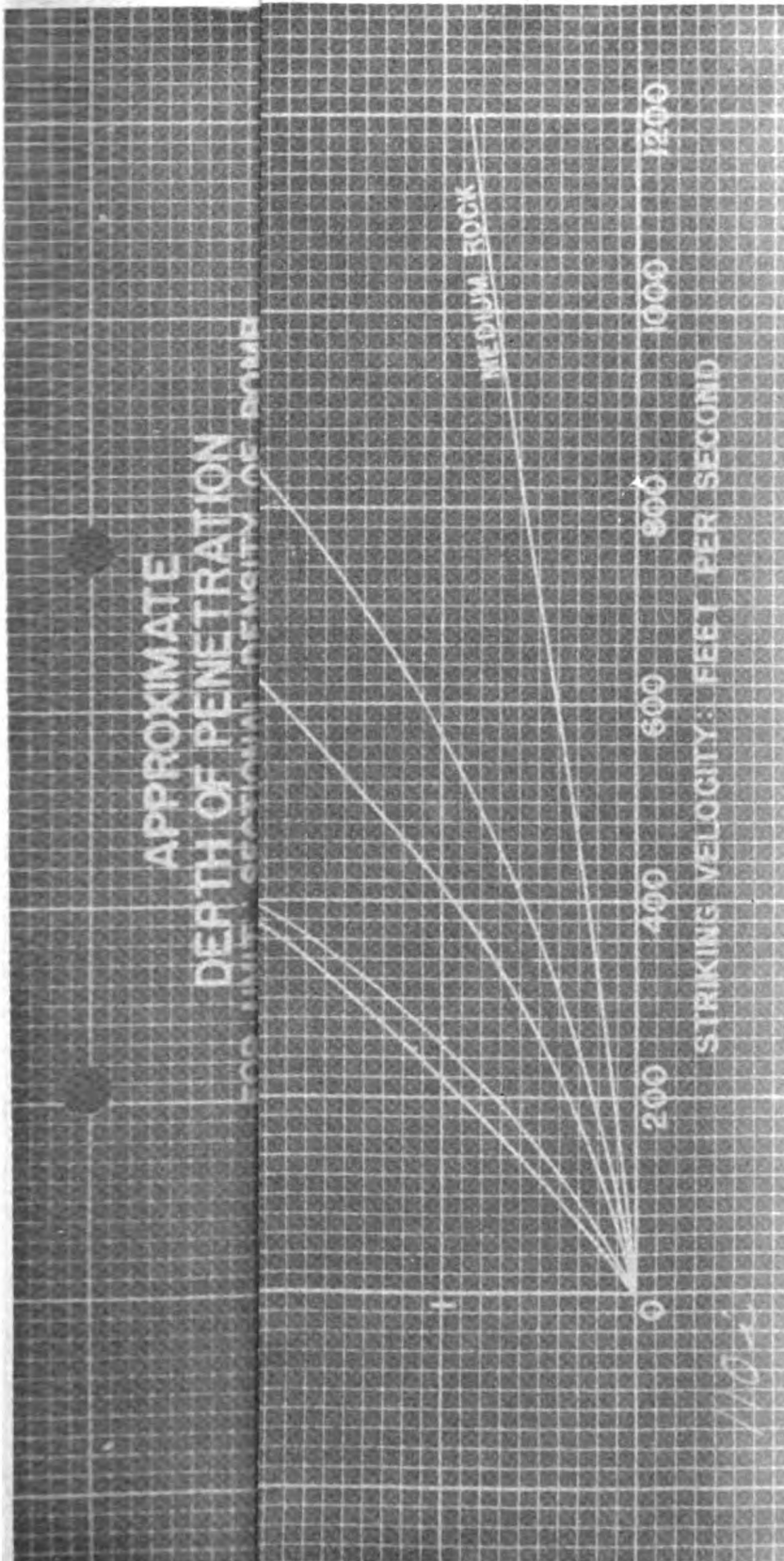
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ITEM NO. 22

Exhibit No

FBI
HONOLULU FIELD
DIVISION.

ITEM NO. 23

FBI

II

HONOLULU FIELD
DIVISION

INI

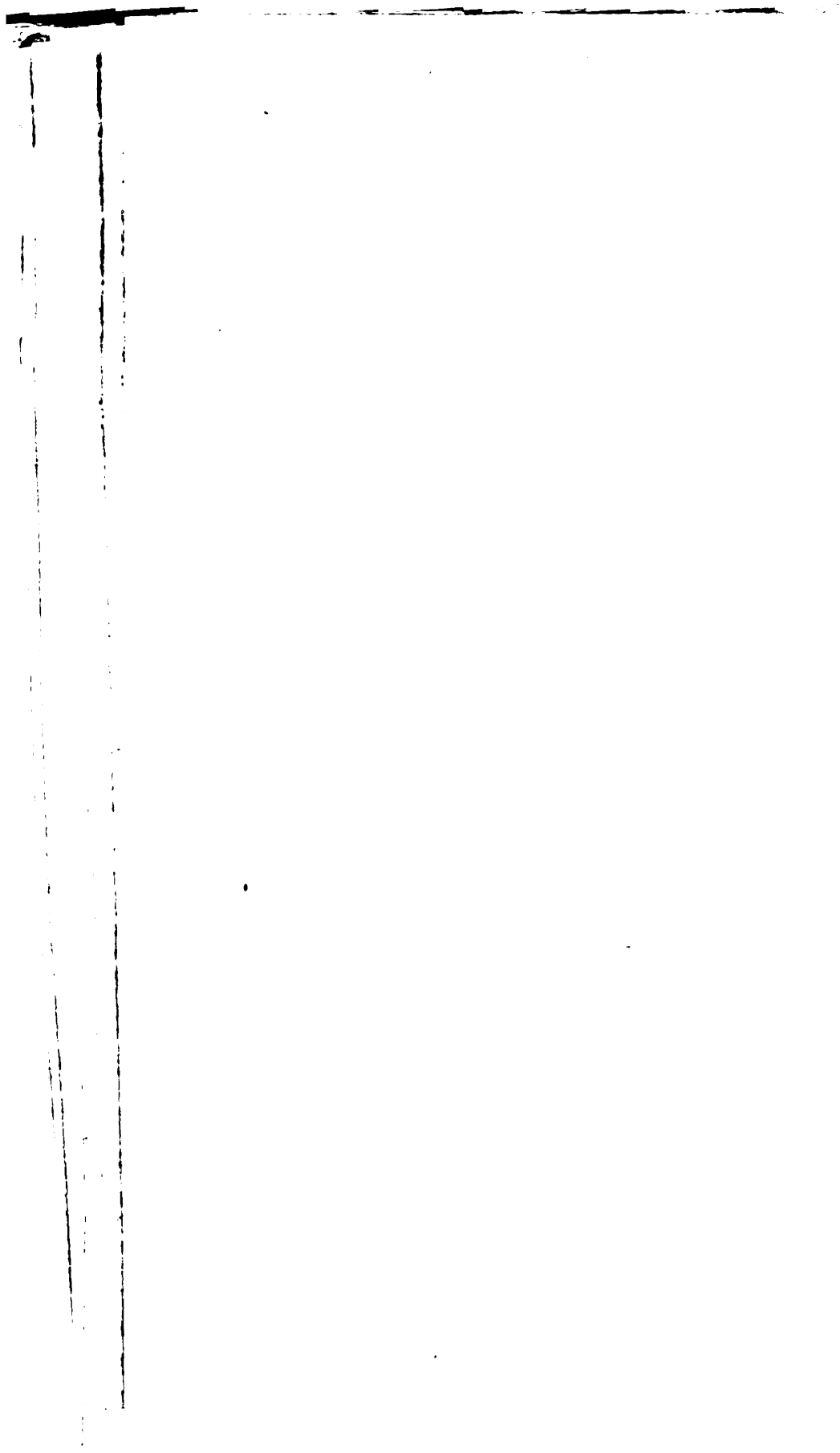
ITEM NO. 24

FBI III
HONOLULU FIELD
DIVISION

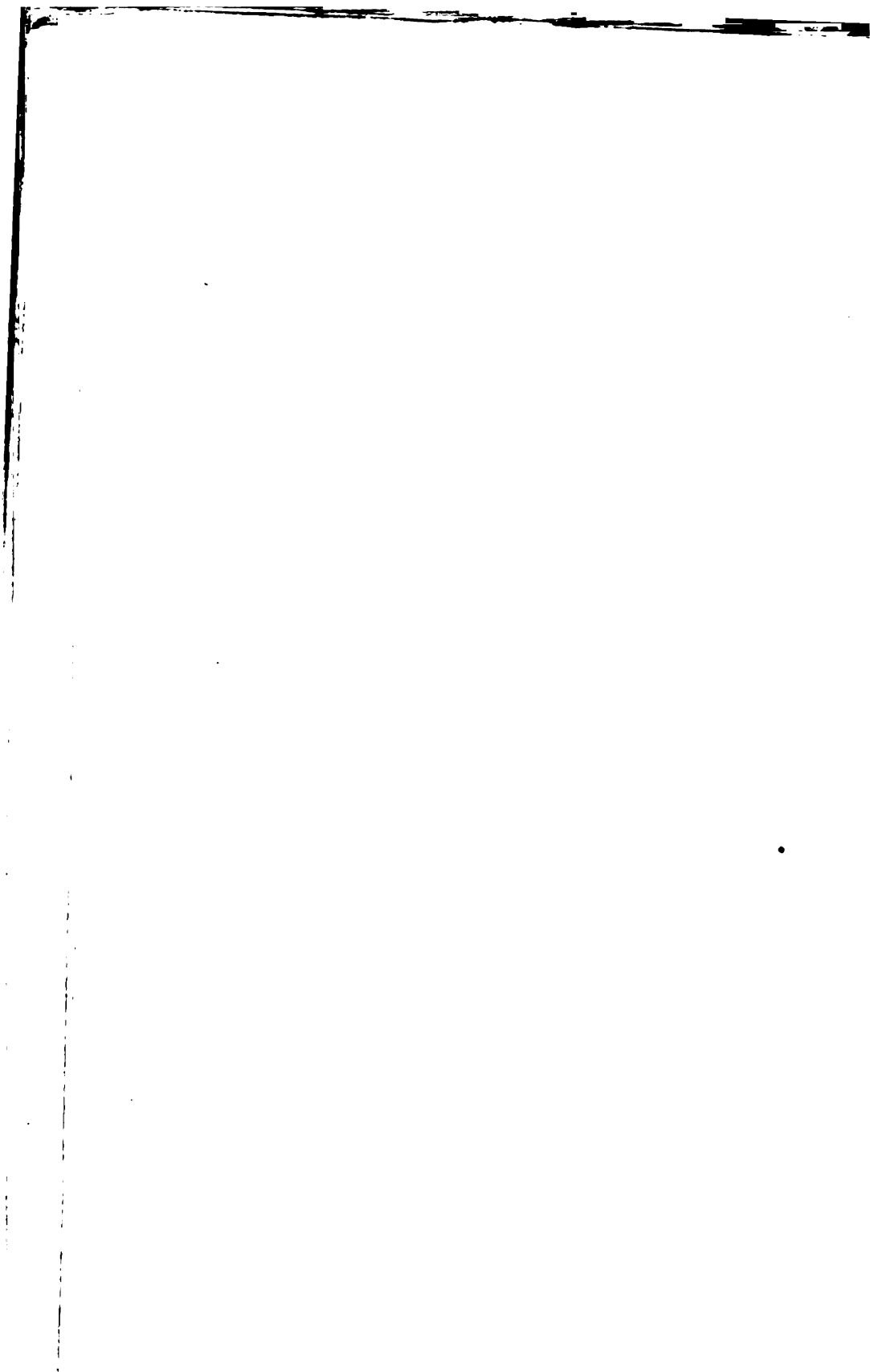
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ITEM NO. 25



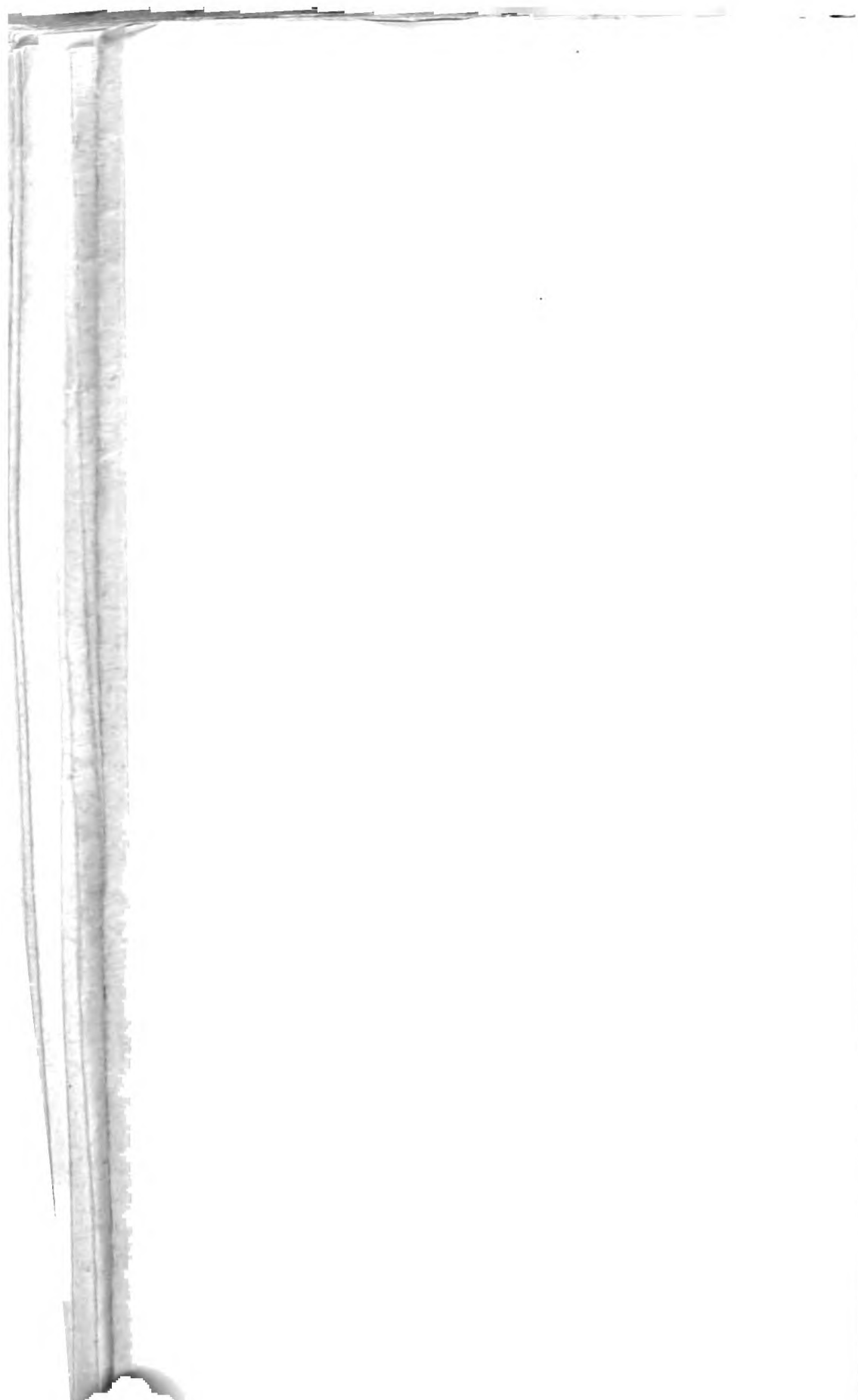
ITEM NO. 26



ITEM NO. 27

FBI VI
HONOLULU FIELD
DIVISION

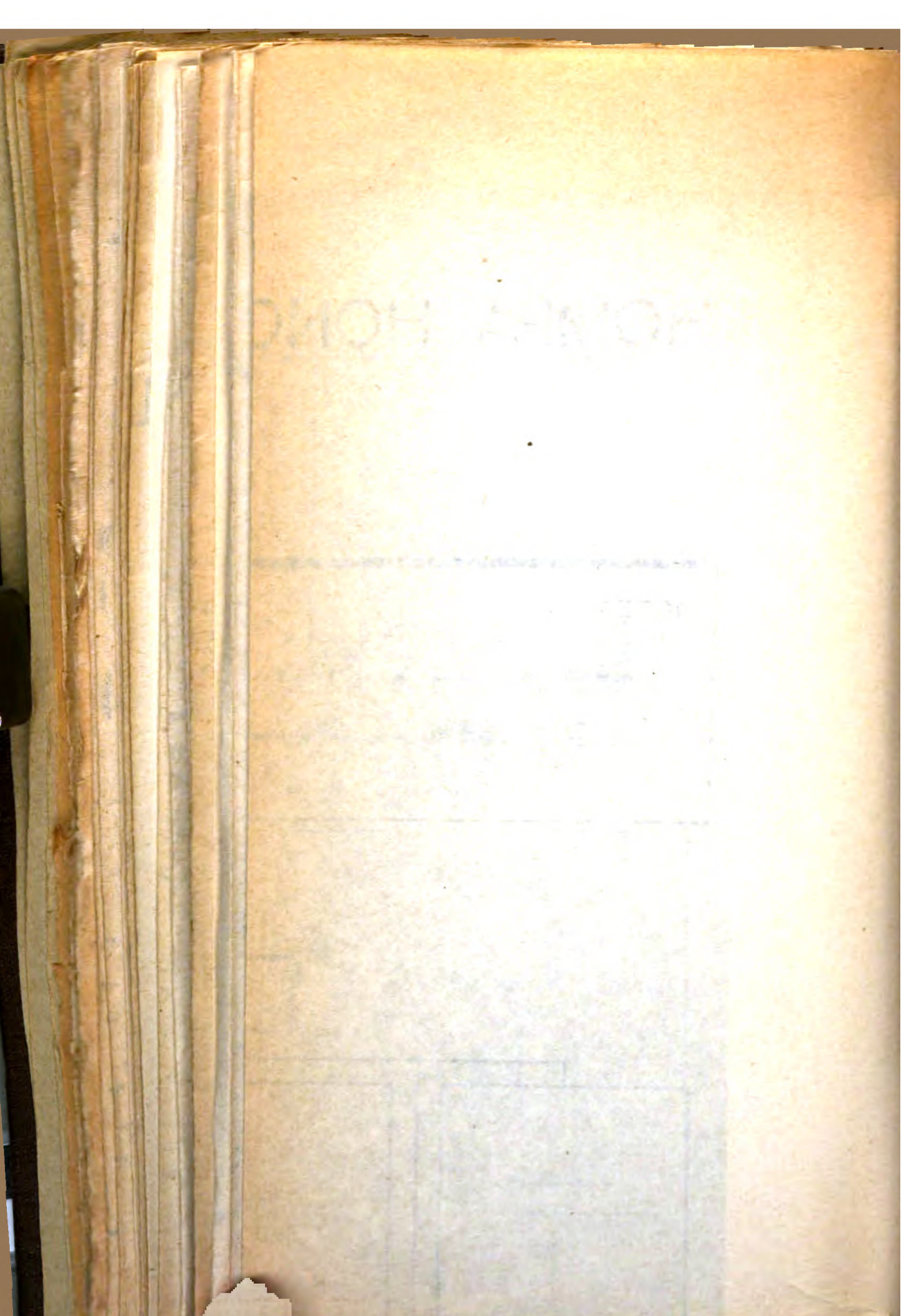
J. HAWAII



ITEM NO. 28



ITEM NO. 29



ITEM NO. 30

ITEM NO. 31

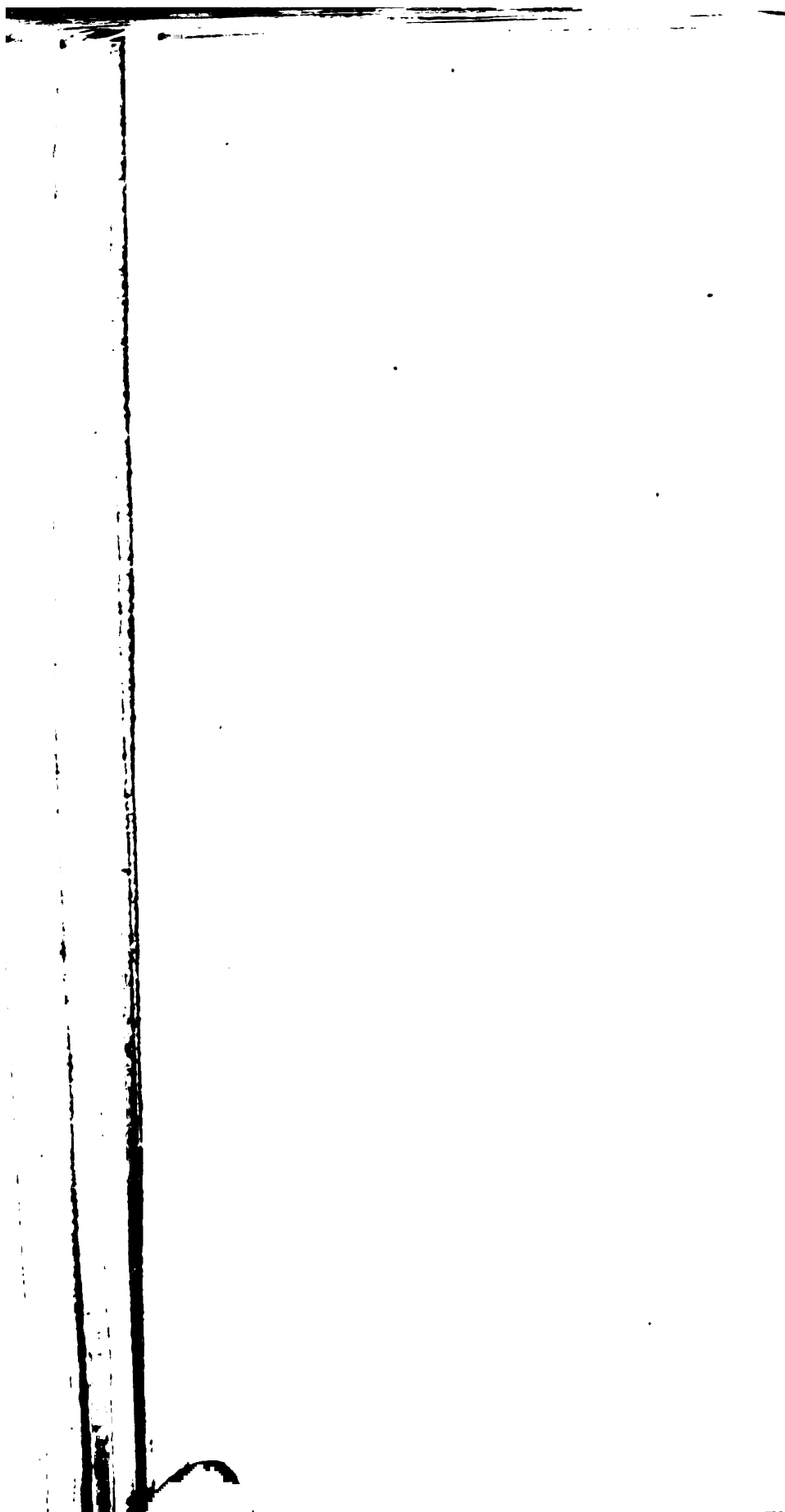


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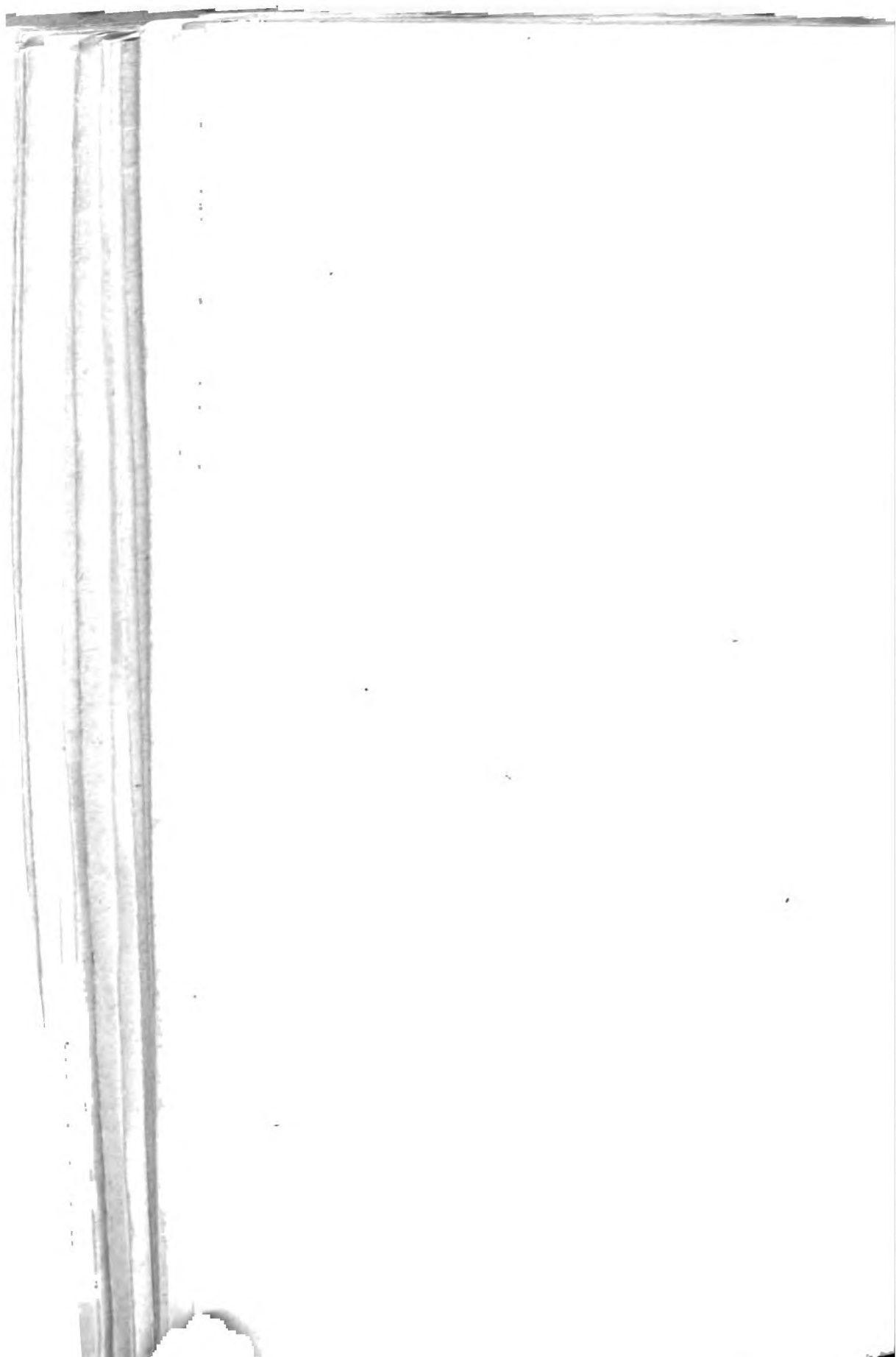


ITEM NO. 33

FBI XVIII

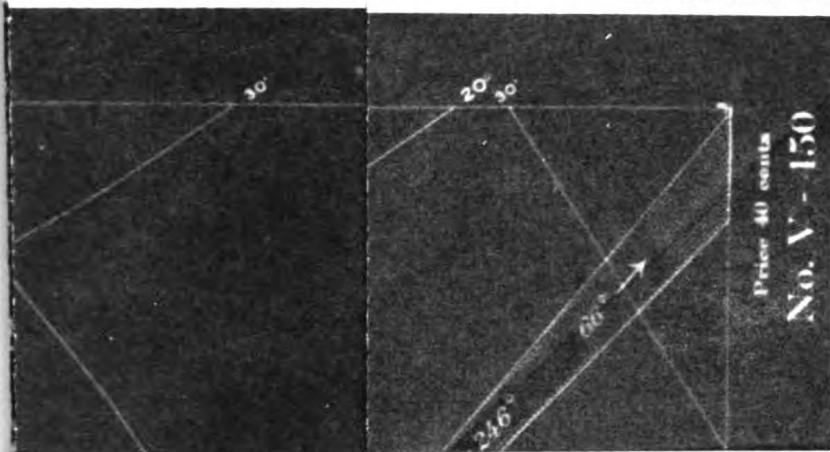


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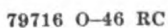
ITEM NO. 35

ITEM NO. 36

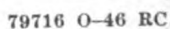


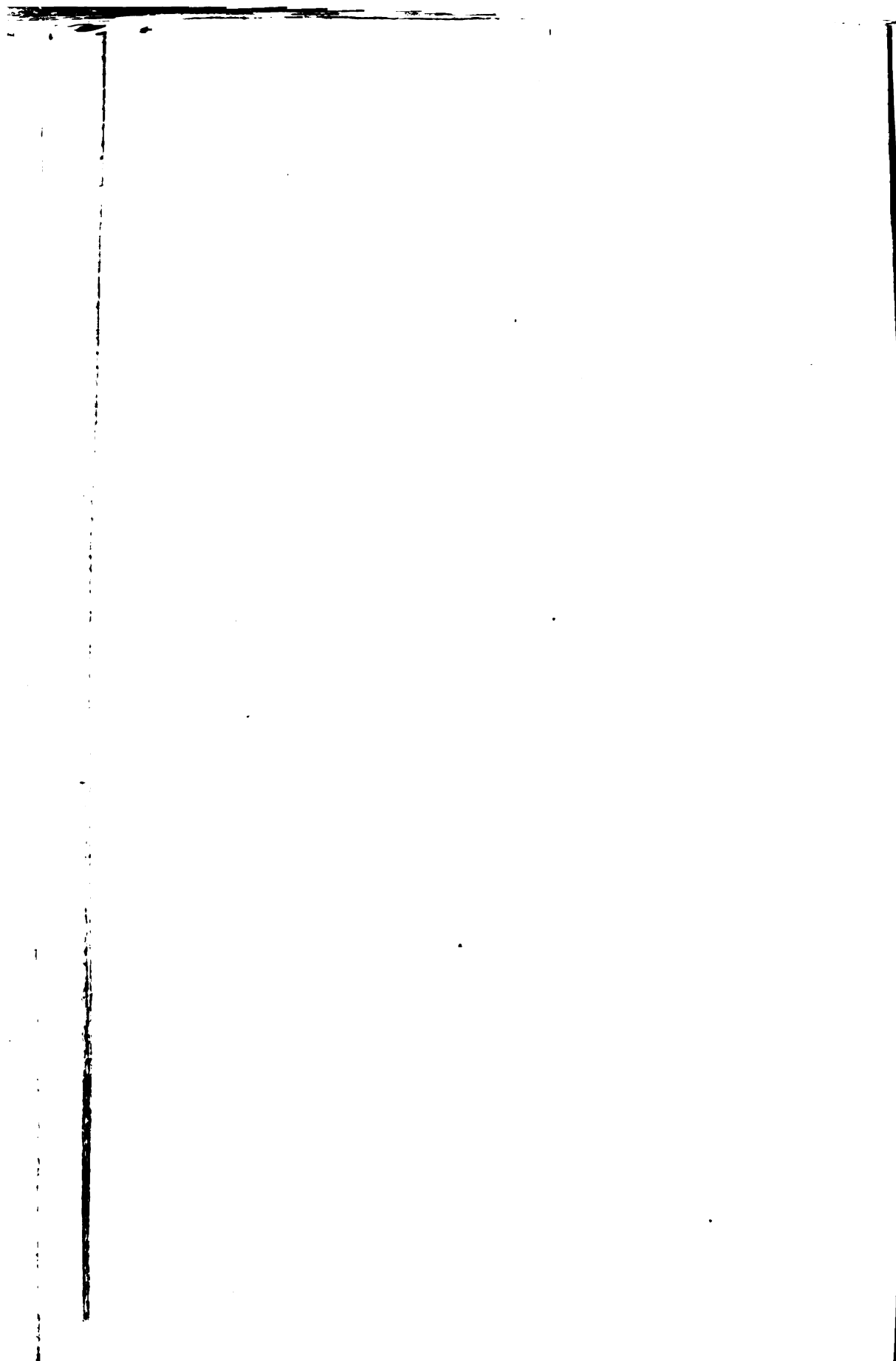


ITEM NO. 37

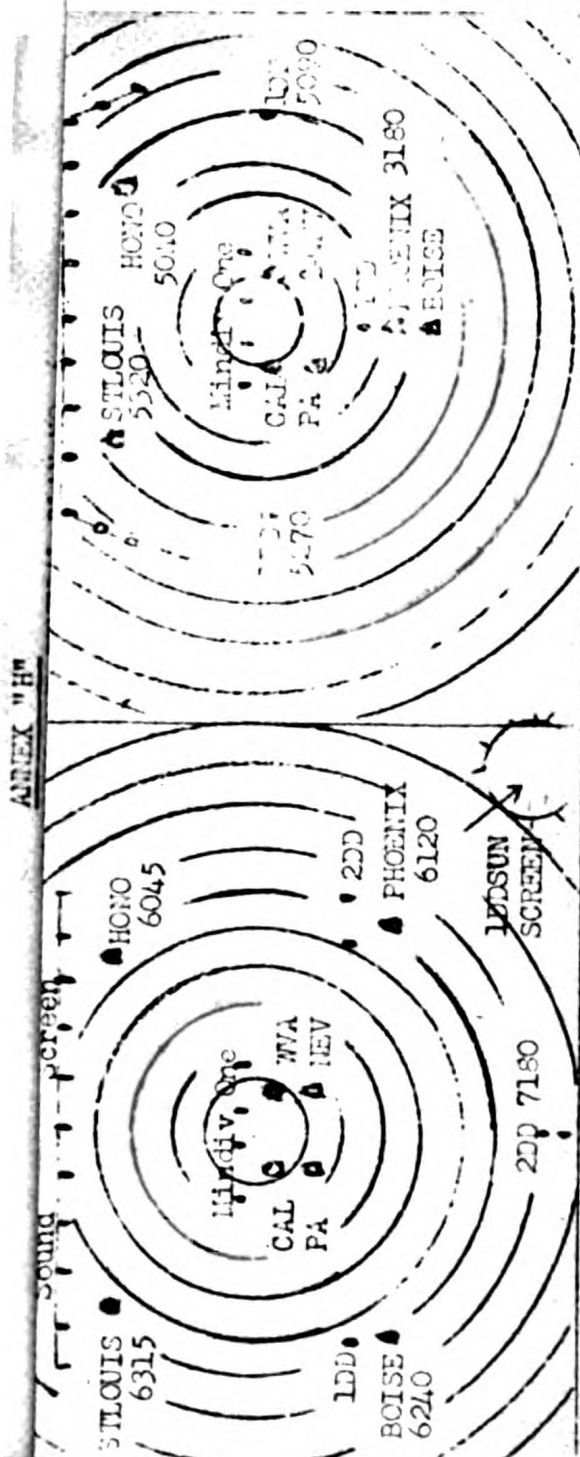


ITEM NO. 38





ITEM NO. 39





ITEM NO. 40

A5. X"1"

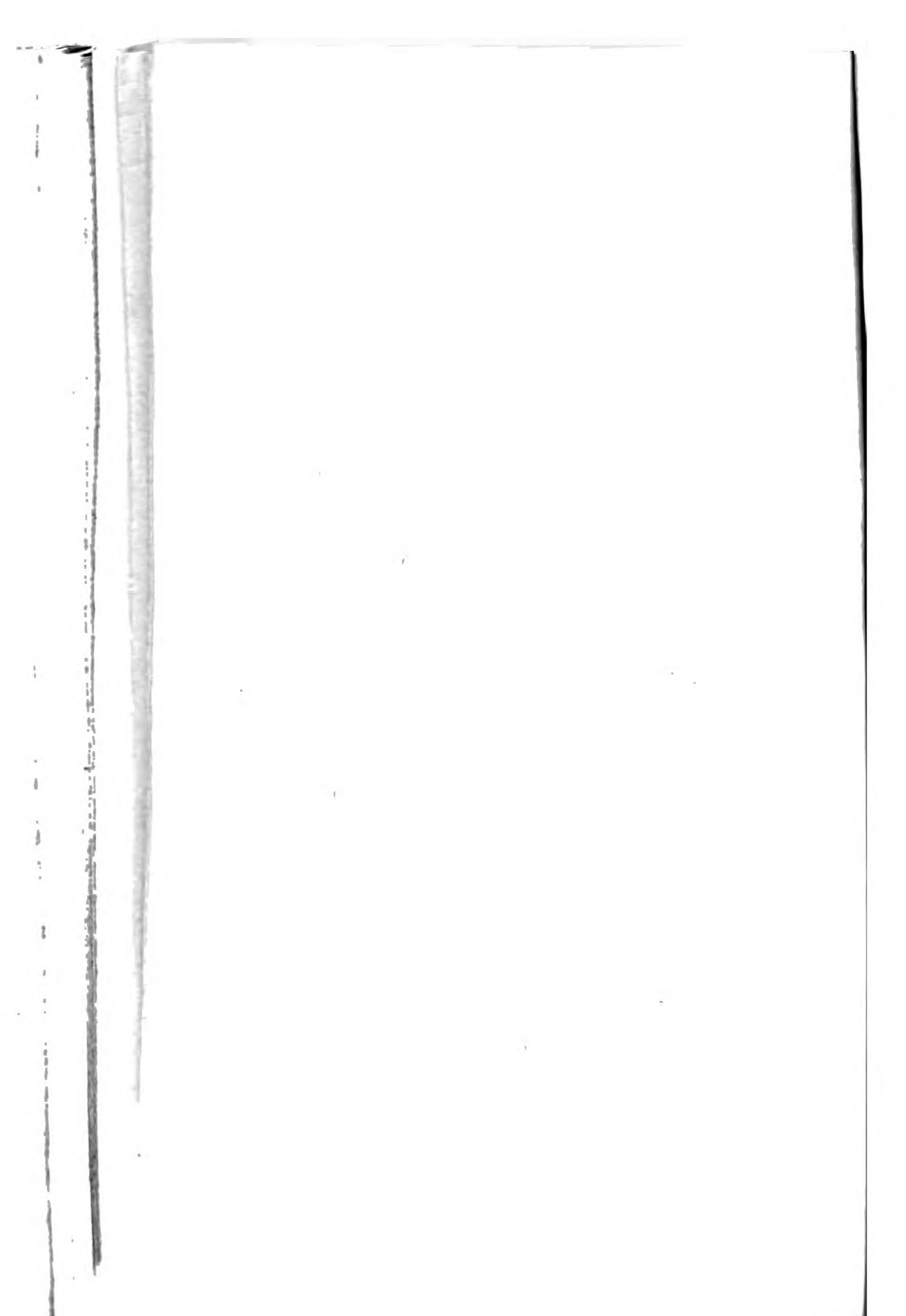
2. 3. 4. 2. TASK FORCE ONE GENERAL PLAN NO. 6

0-3-34: 324

PLAN: TEST: To test a steering plan which uses changes of speed as well as changes of course. Changes of speed will be made by changing speed of one engine.

ZIGZAG PL-1 NO. 60.

DISTANCE TO GO + 50 OF DISTANCE RUN		hr. Min	Amount and direction of change course	Resultant deviation from base course	Amount to change speed in knots	Resultant deviations from standard speed in kts.
100	00	1 - 00	10 Left	0	-2	0
00	50	0 - 50	25 Right	10 Right	-2	2 Over
00	45	0 - 45	10 Right	15 Left	+2	0
00	38	0 - 38	20 Left	25 Left	-2	2 Under
00	33	0 - 33	20 Left	5 Left	-2	0
00	23	0 - 23	35 Right	15 Right	+2	2 Over
00	15	0 - 15	25 Left	20 Left	+2	0
00	10	0 - 10	15 Left	5 Right		
00	04	0 - 04	20 Right	20 Right	-2	2 Under
00	00	0 - 00	0	0	0	0



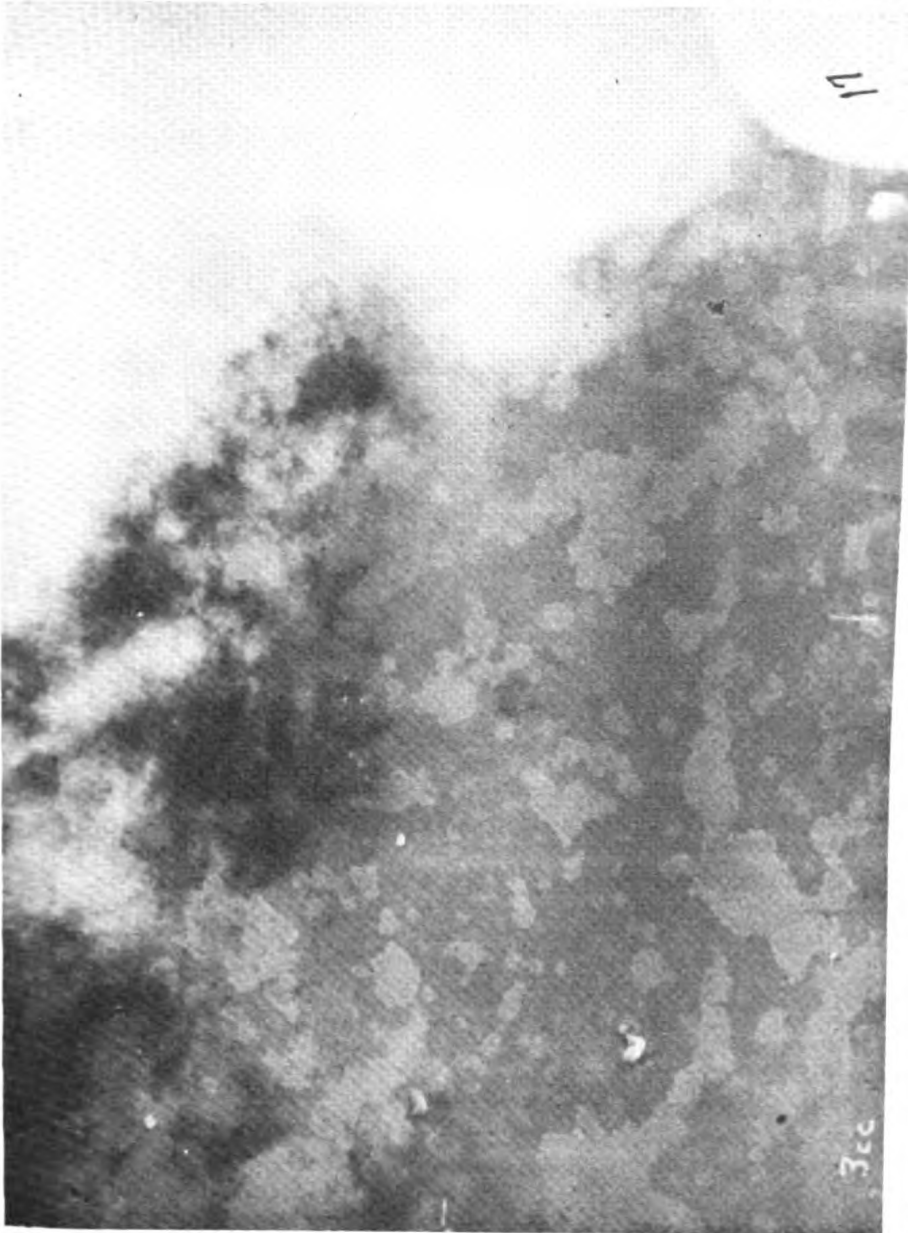
ITEM NO. 42



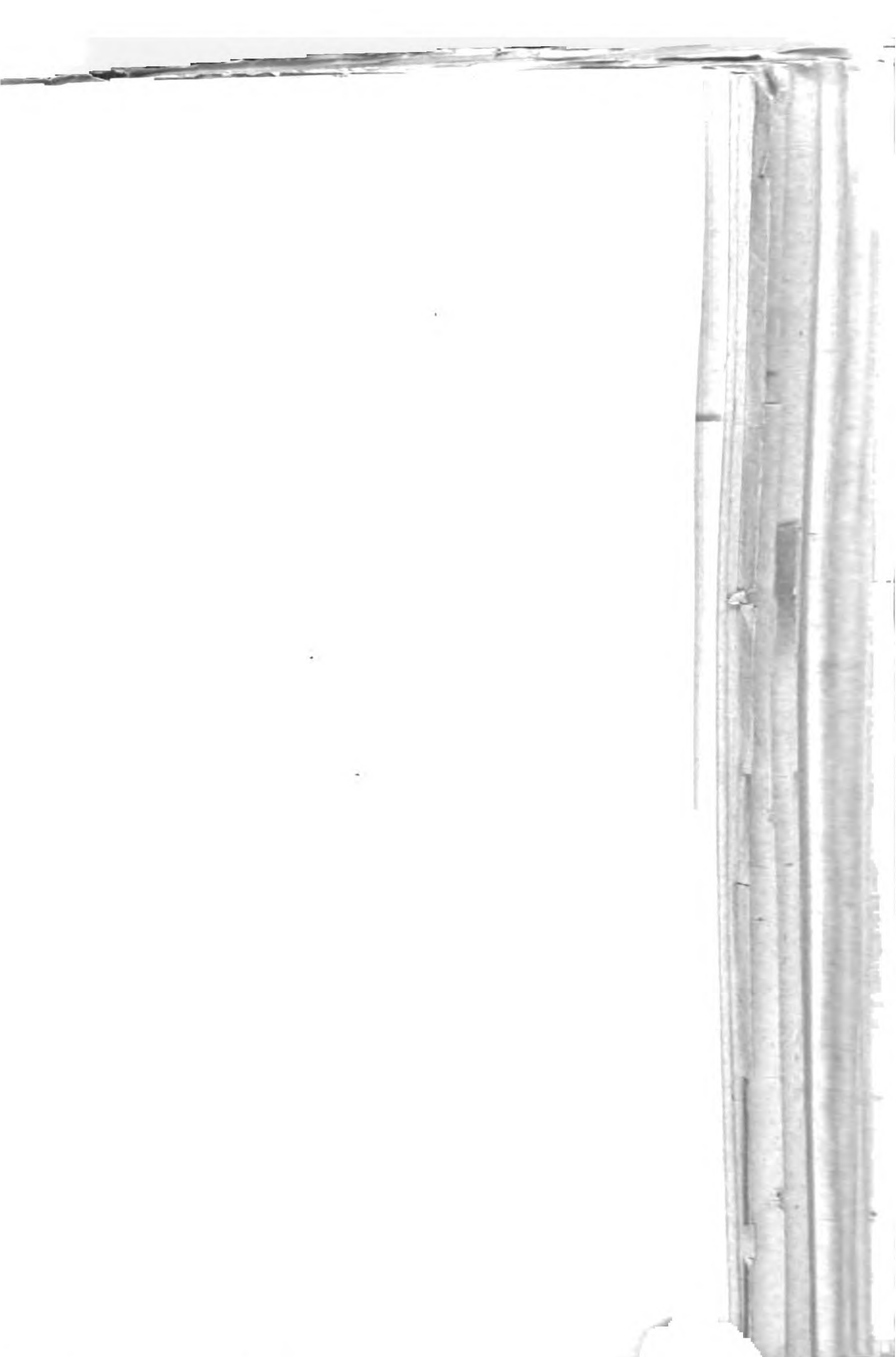
79716 O-46 RC



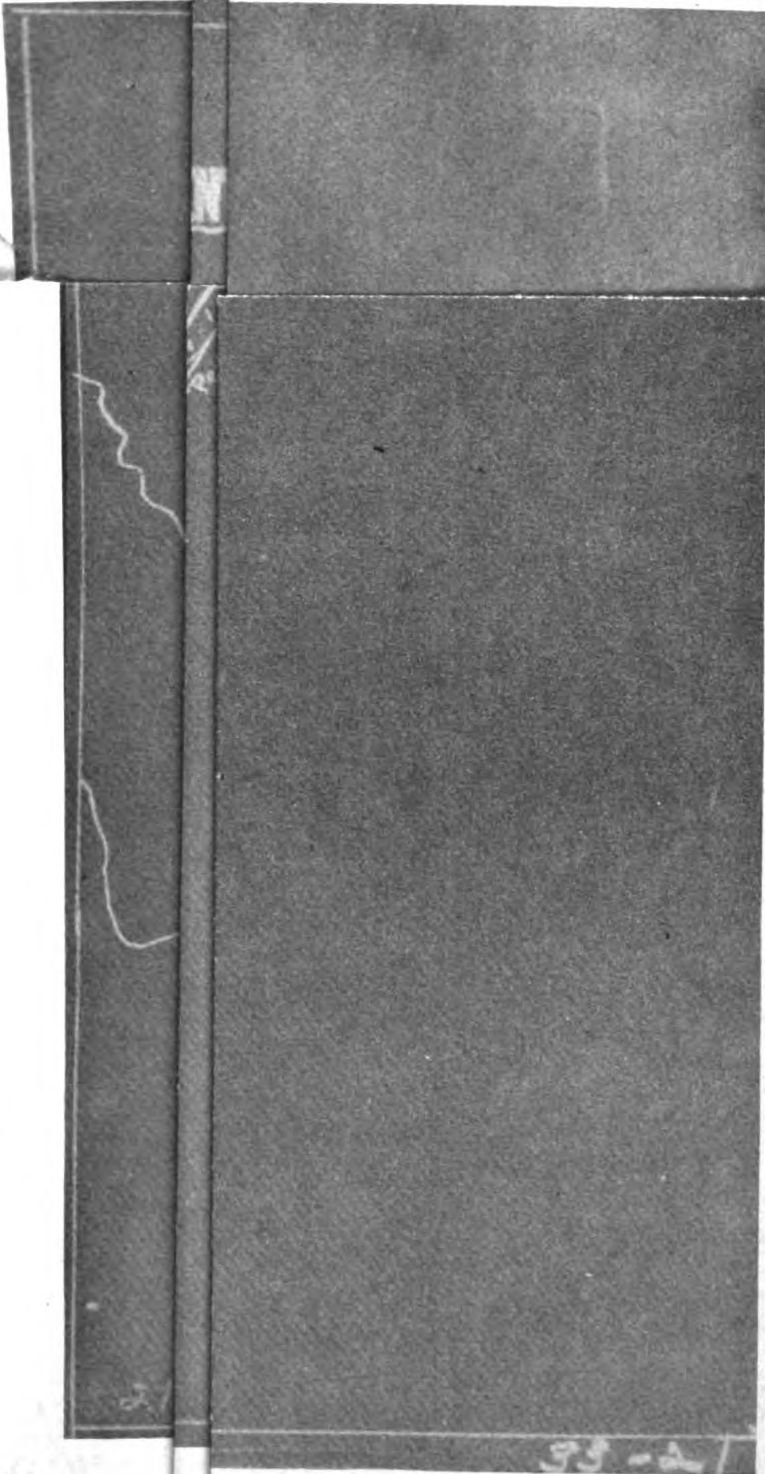
ITEM NO. 43



79716 O-46 RC

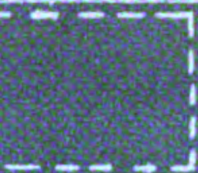


ITEM NO. 44



ITEM NO. 45

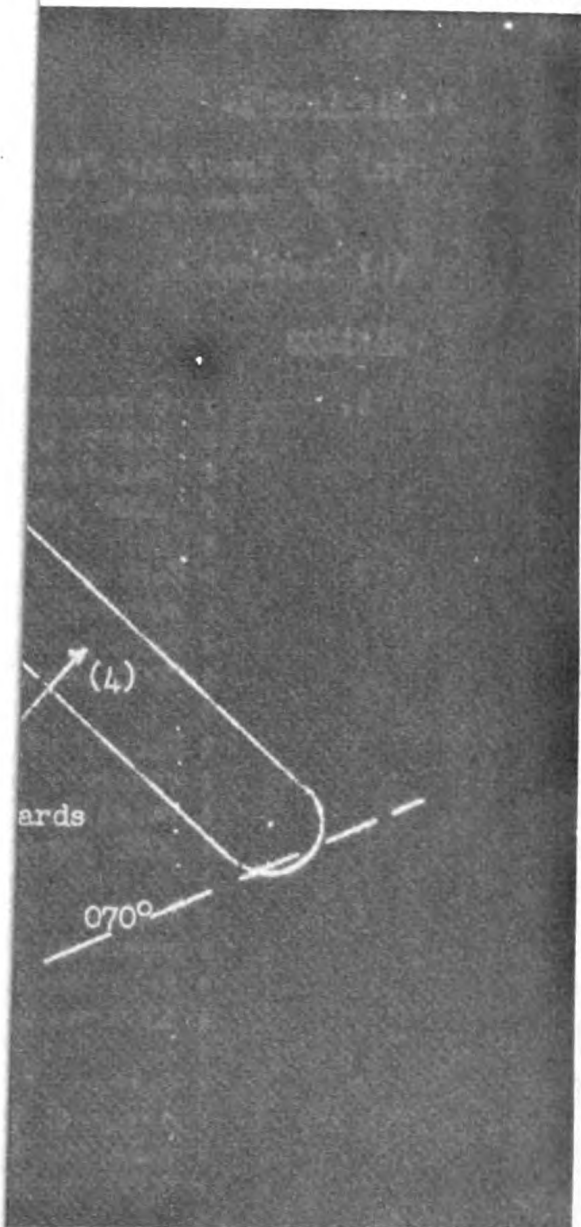
ROL 01296
8 KNOT CONVOY



f head of surface
ginning of the
the aircraft.
3 consecutive

to 1 inch.

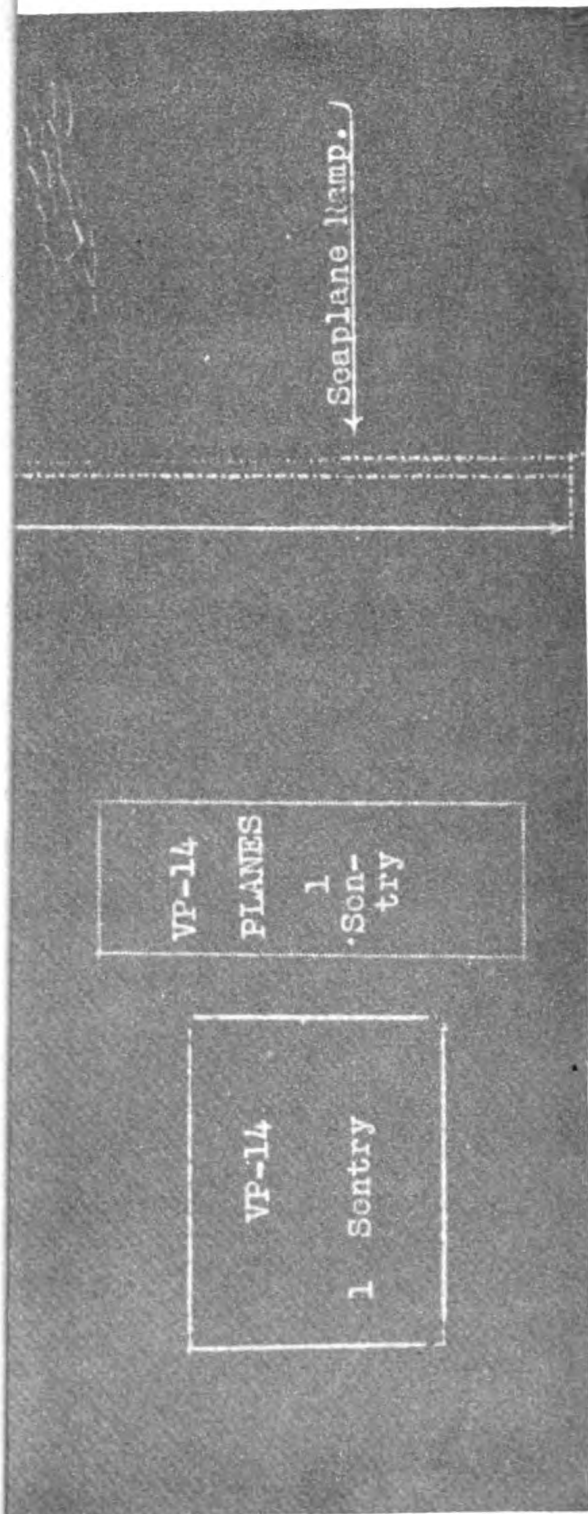
ITEM NO. 46



79716 O-46 RC



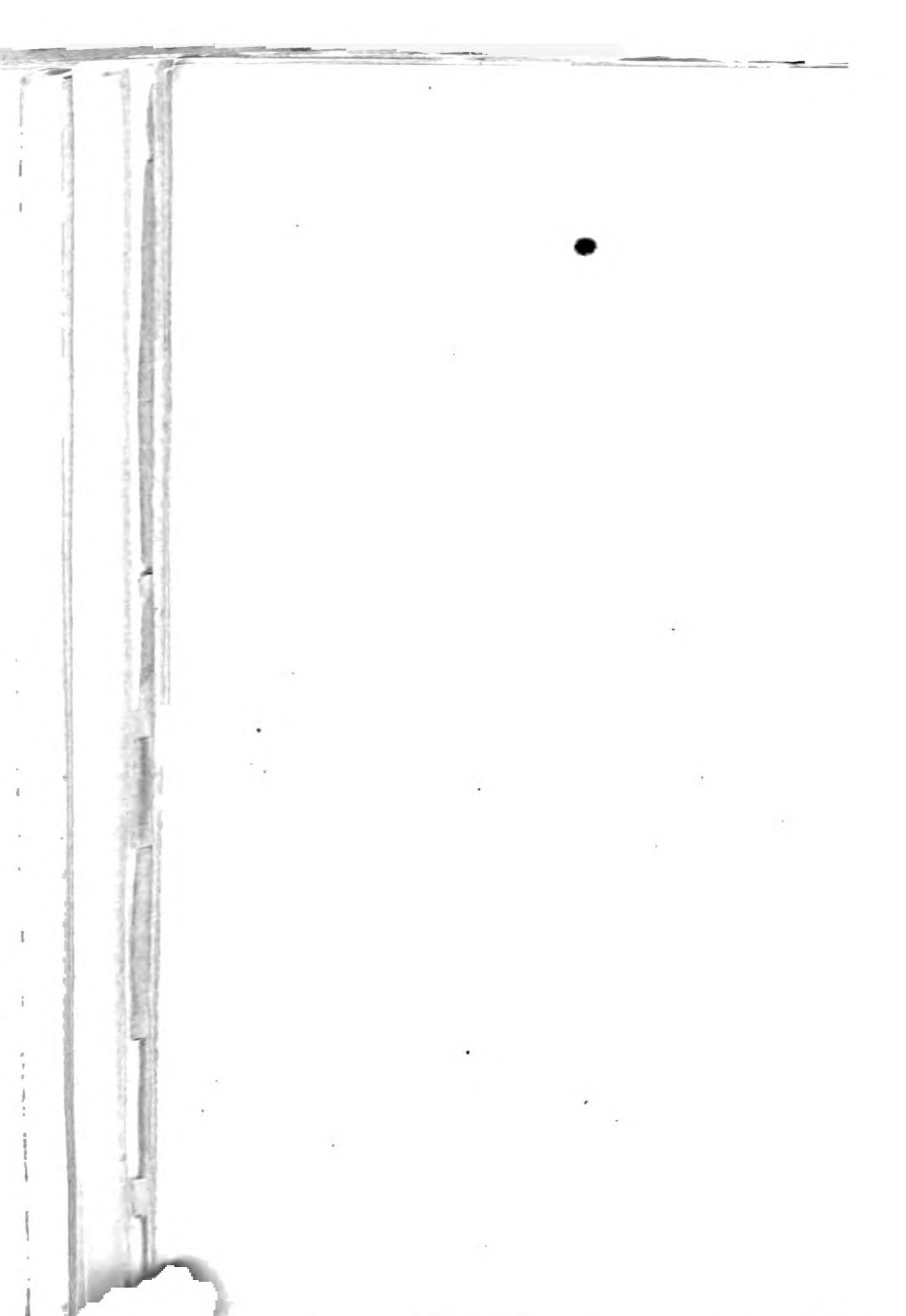
ITEM NO. 47





ITEM NO. 48

WAR 25		S. U. S. ARMY	
UB	ICB	DB	
JA	CA	DA	
2750000			



HAWAIIAN ISLANDS

BASIC SQUARE

25°	19	29	39	49	59	69	79	89	99	3,150,000
	18	28	38	48	58	68	78	88	98	3,050,000
	17	27	37	47	57	67	77	87	97	2,950,000
	16	26	36	46	56	66	76	86	96	2,850,000
	15	25	35	45	55	65	75	85	95	2,750,000
	14	24	34	44	54	64	74	84	94	2,650,000
	13	23	33	43	53	63	73	83	93	2,550,000
19°	12	22	32	42	52	62	72	82	92	2,450,000
										550,000
										650,000
										750,000
										850,000
										950,000
										1,050,000
										1,150,000
										1,250,000
										1,350,000
										1,450,000

FIG. 1

ANY REGION

Fig. 2

Any Odd Multiple of 50,000 yds.		Any Odd Multiple of 50,000 yds.									
140,000	AL	BL	CL	DL	FL	GL	HL	JL	KL	LL	Any Odd Multiple of 50,000 yds.
	AK	BK	CK	DK	FK	GK	HK	JK	KK	LK	
130,000	AJ	BJ	CJ	DJ	FJ	GJ	HJ	JJ	KJ	LJ	Any Odd Multiple of 50,000 yds.
	AH	BH	CH	DH	FH	GH	HH	JH	KH	LH	
120,000	AG	BG	CG	DG	FG	GG	HG	JG	KG	LG	Any Odd Multiple of 50,000 yds.
	AF	BF	CF	DF	FF	GF	HF	JF	KF	LF	
110,000	AD	BD	CD	DD	FD	GD	HD	JD	KD	LD	Any Odd Multiple of 50,000 yds.
	AC	BC	CC	DC	FC	GC	HC	JC	KC	LC	
100,000	AB	BB	CB	DB	FB	GB	HB	JB	KB	LB	Any Odd Multiple of 50,000 yds.
	AA	BA	CA	DA	FA	GA	HA	JA	KA	LA	
Any Odd Multiple of 50,000 yds.		60,000	70,000	80,000	90,000	100,000	110,000	120,000	130,000	140,000	Any Odd Multiple of 50,000 yds.

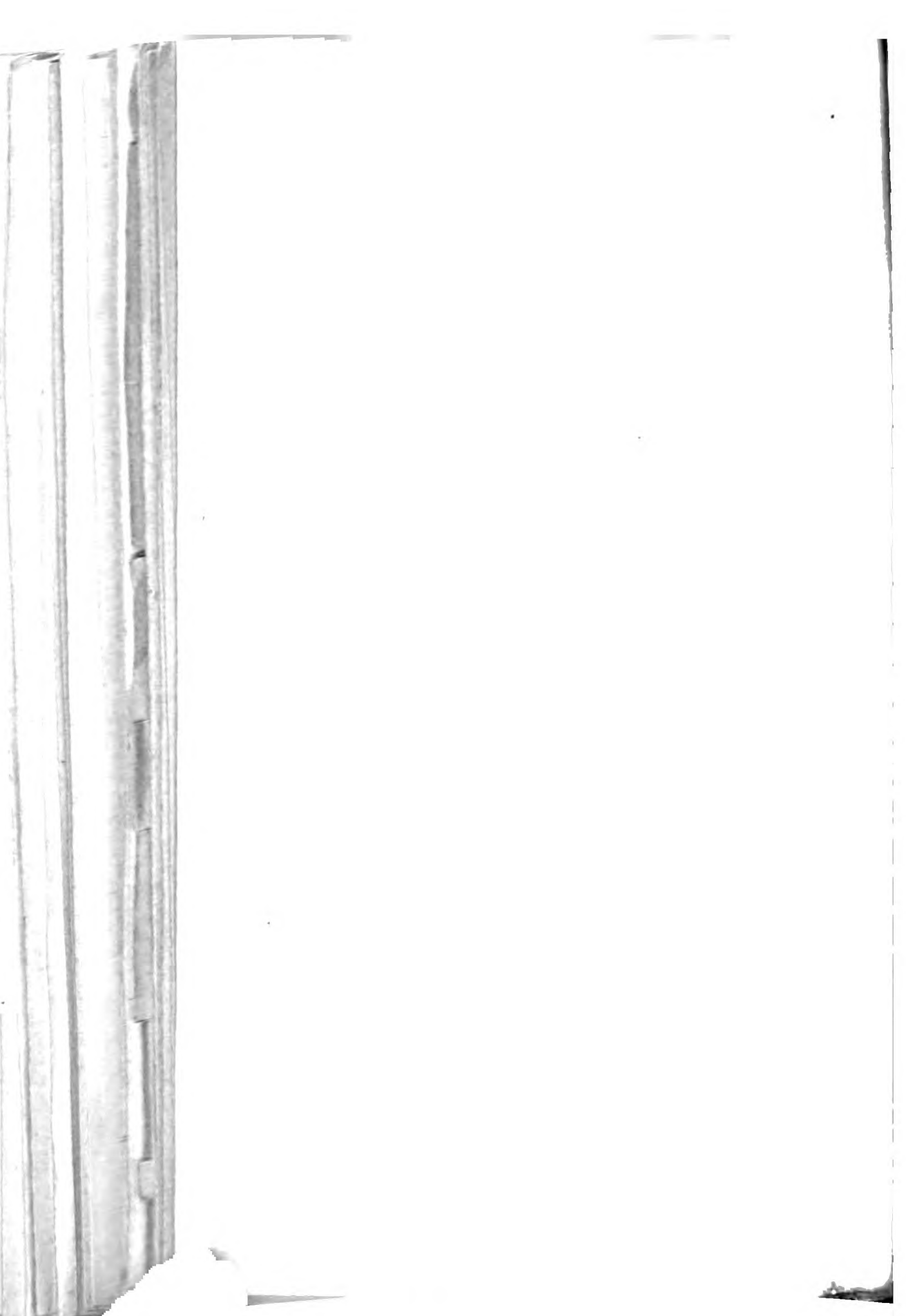
Each Region 100,000 yards to a side
Each Area 10,000 yards

Each Region 100,000 yards to a side
Each Area 10,000 yards



ITEM NO. 50







ITEM NO. 51

This sector design
Only three pieces of
coverage was right.

79716 O-46 RC

ITEM NO. 52



ITEM NO. 53

Section Limits.

(ENCLOSURE A)

CINCPAC - DUPLICATE COPY]

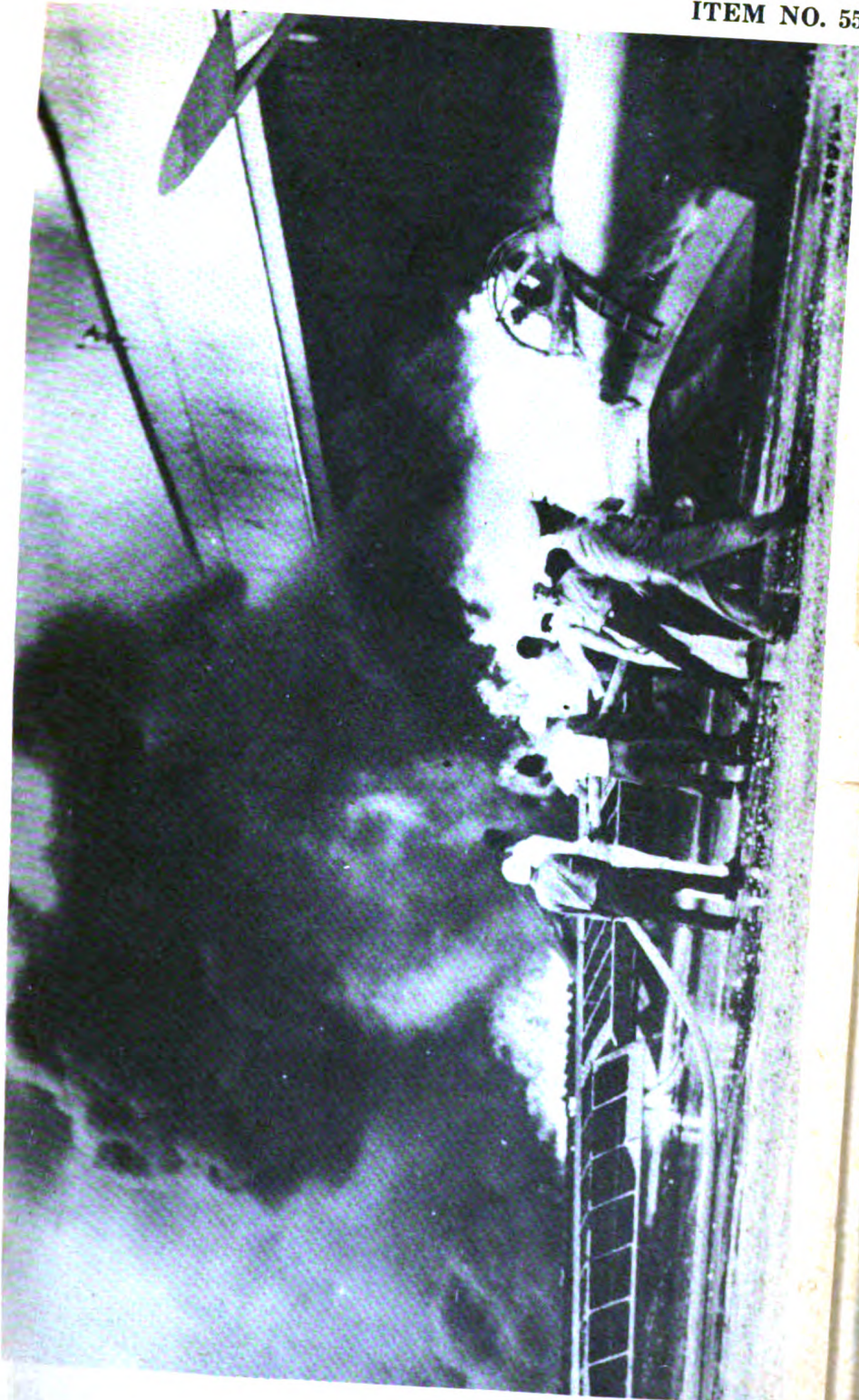
79716 O-46 RC

ITEM NO. 54



79716 O-46 RC

ITEM NO. 55



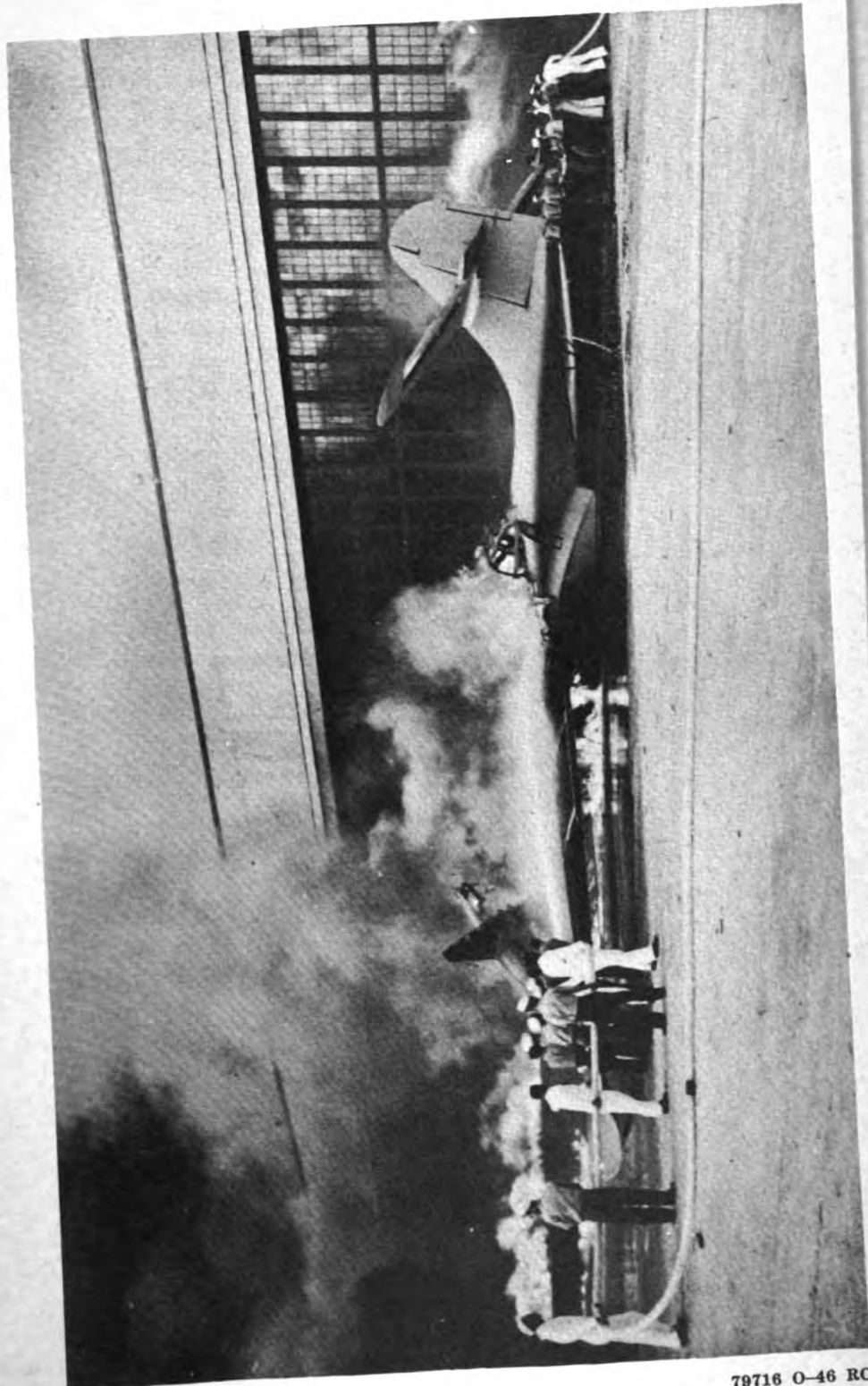
79716 O-46 RC

ITEM NO. 56



79716 O-46 RC

ITEM NO. 57



79716 O-46 RC

ITEM NO. 58



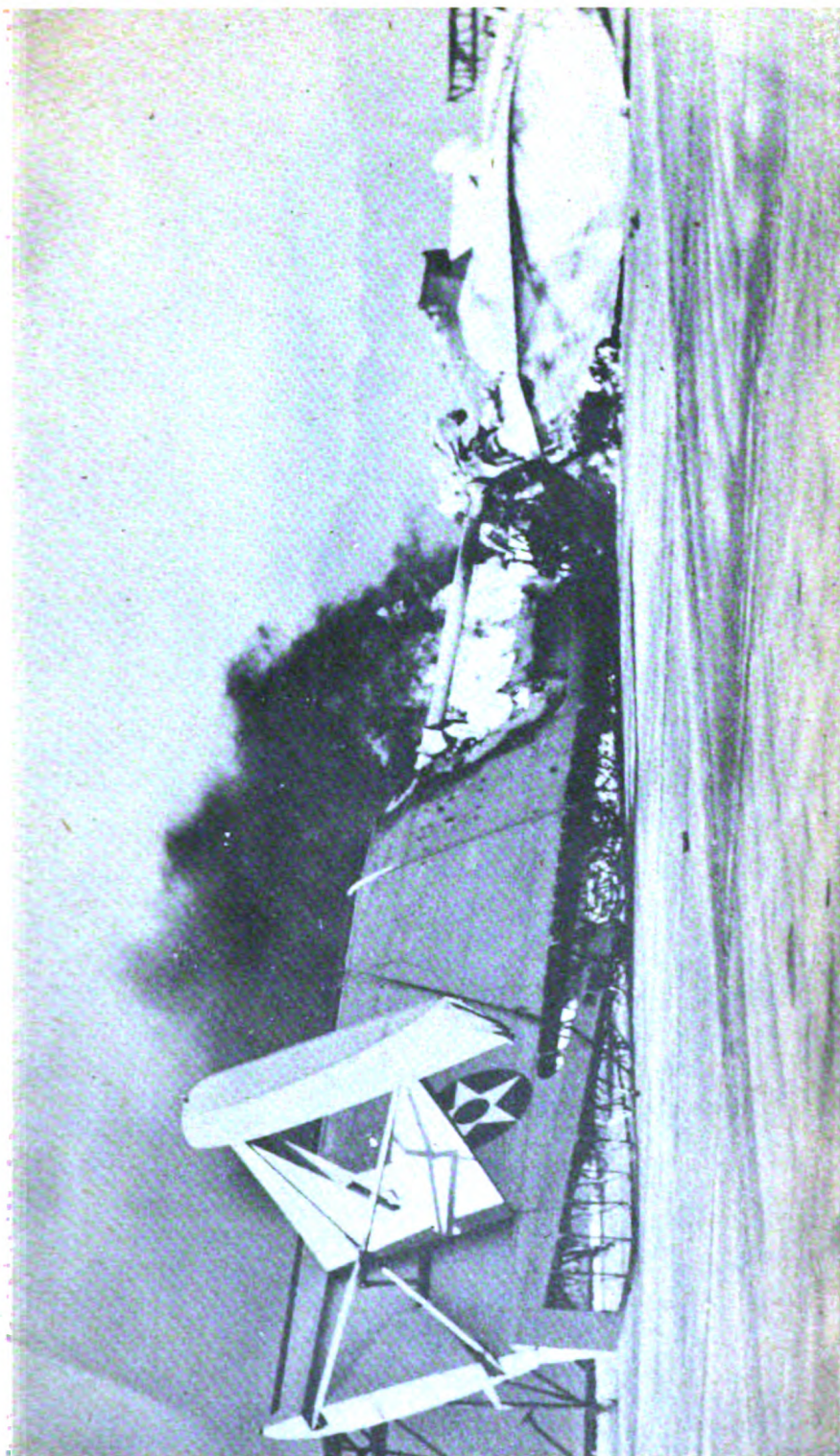
79716 O-46 RC

ITEM NO. 59



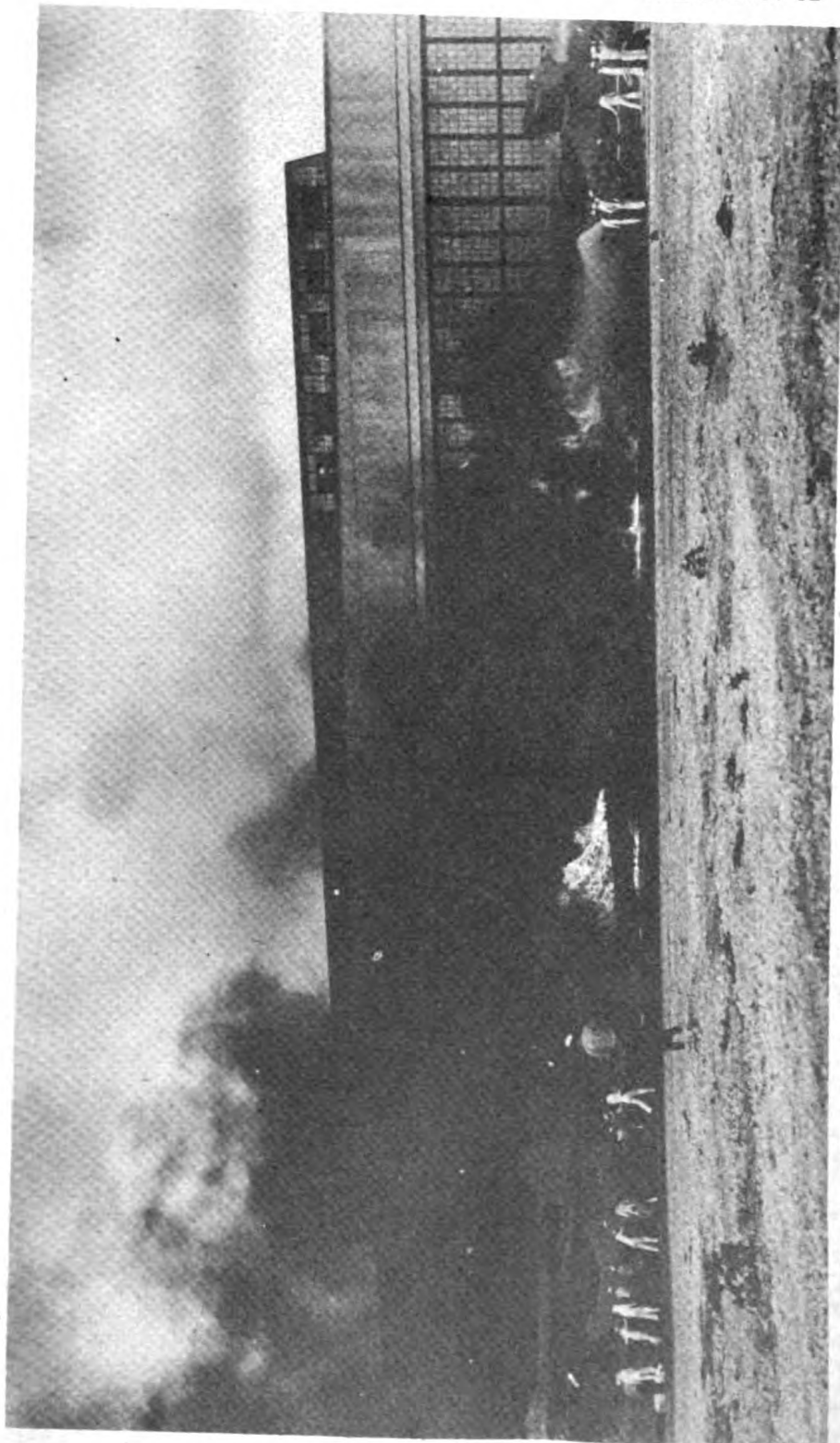
79716 O-46 RC

ITEM NO. 60



79716 O-46 RC

ITEM NO. 61



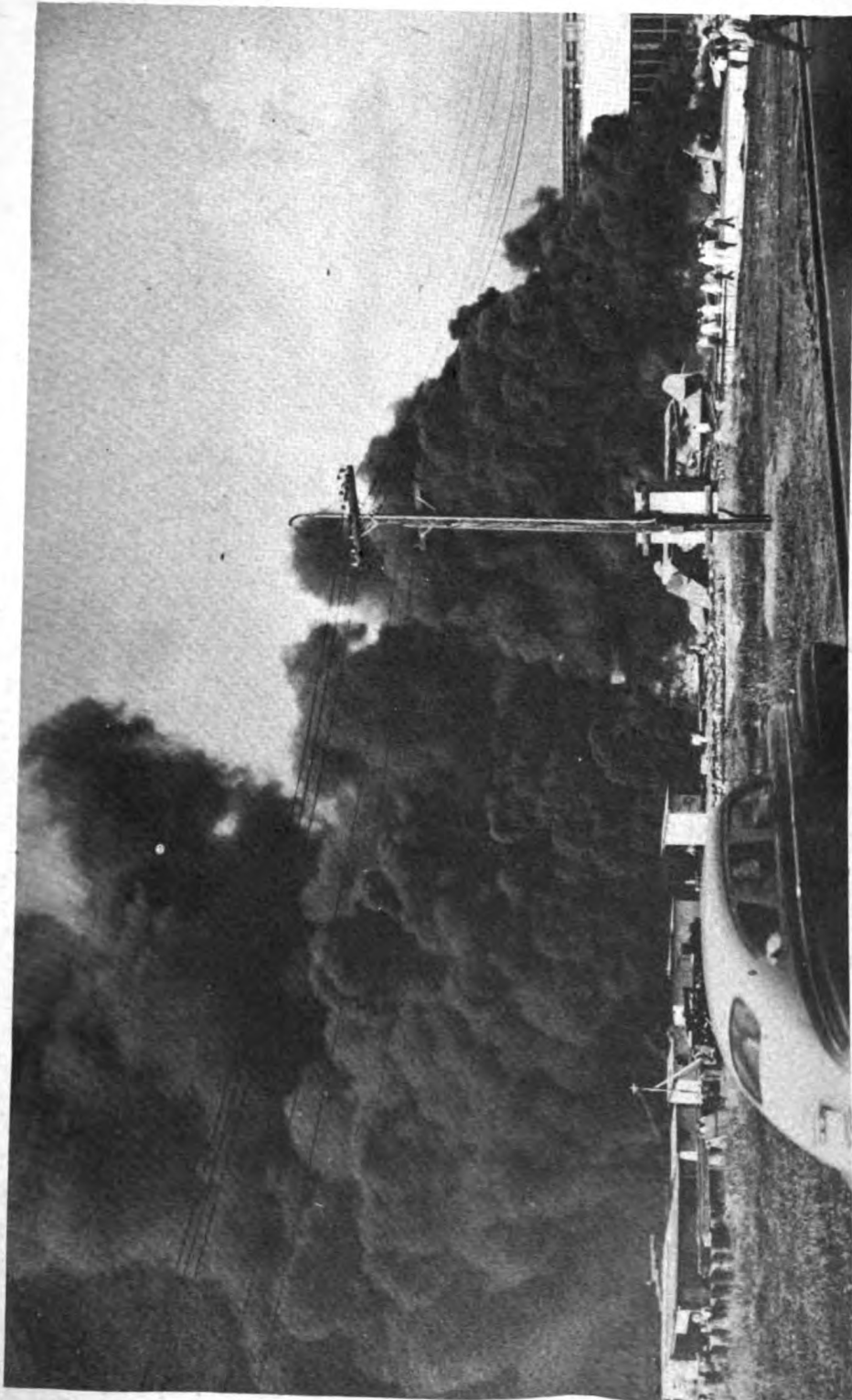
79716 O-46 RC

ITEM NO. 62



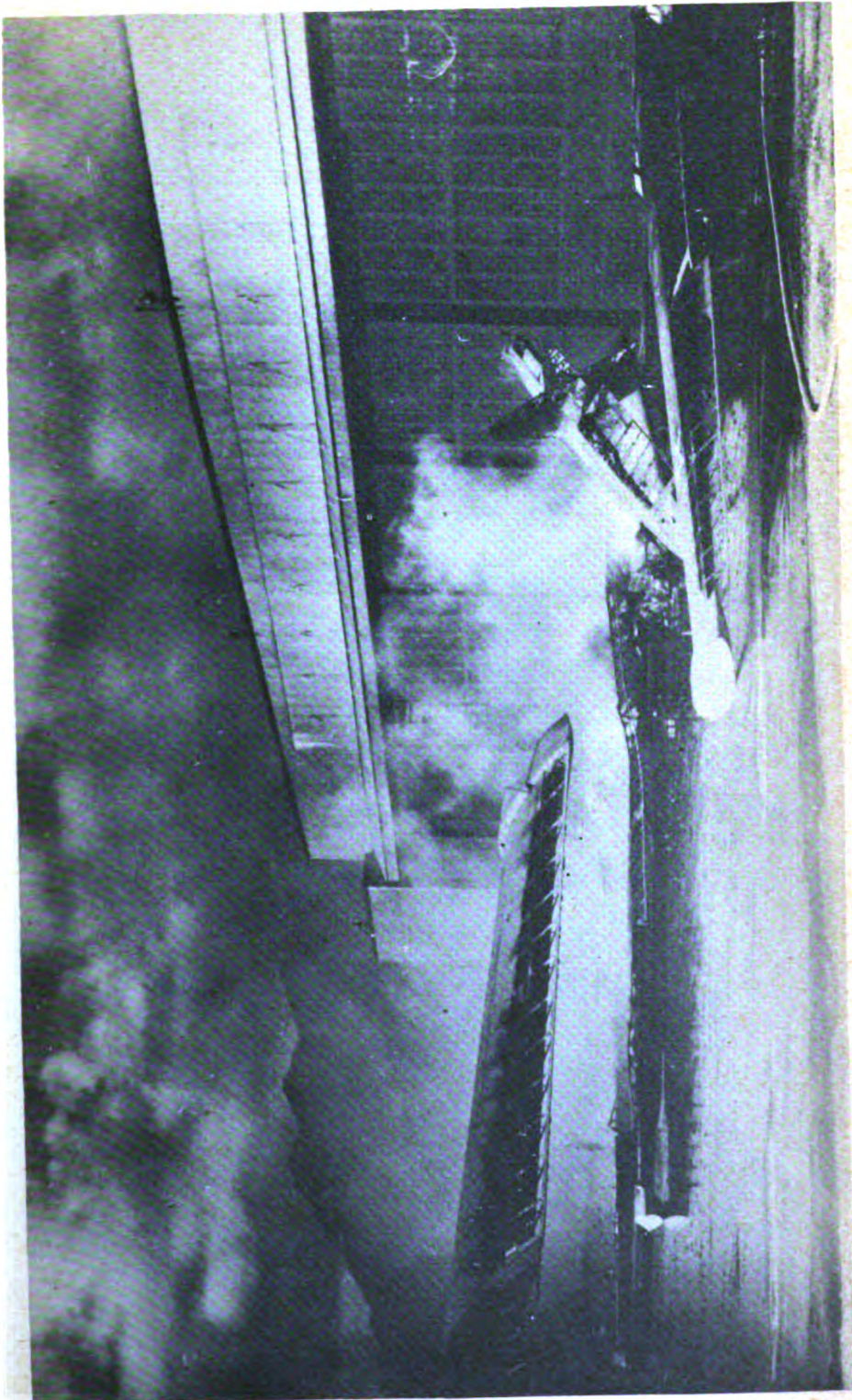
79716 O-46 RC

ITEM NO. 63



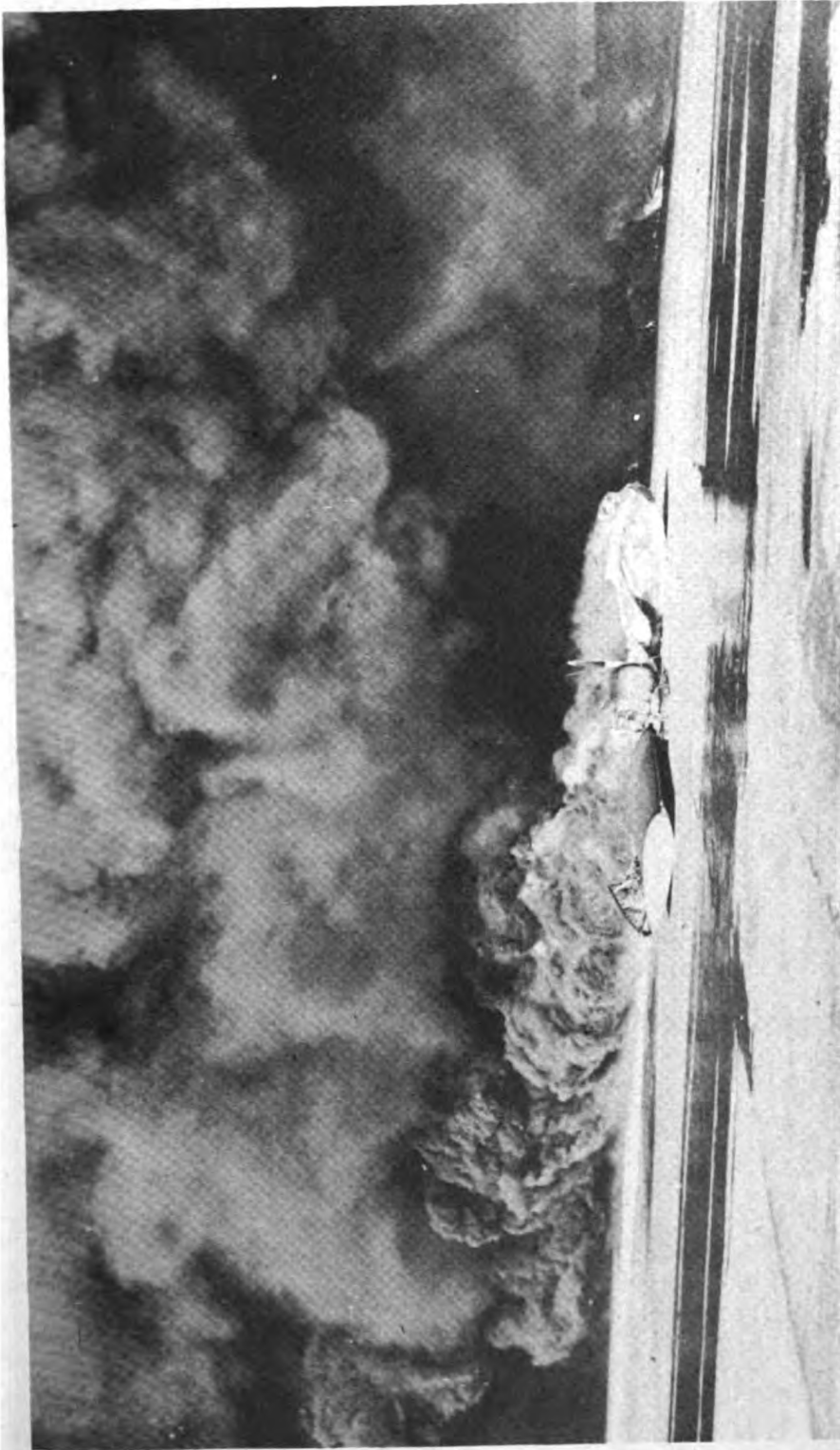
79716 O-46 RC

ITEM NO. 64



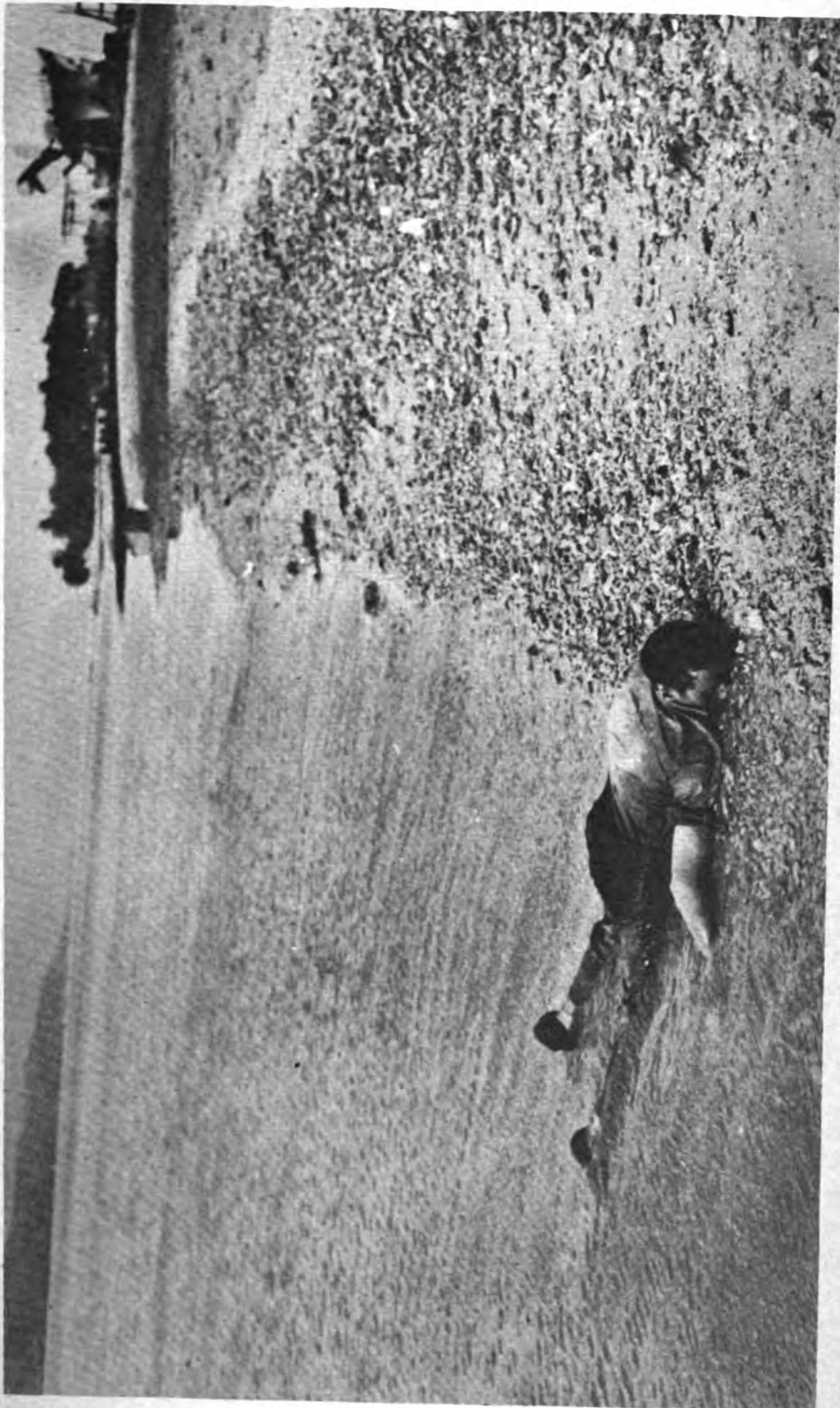
79716 O-46 RC

ITEM NO. 65



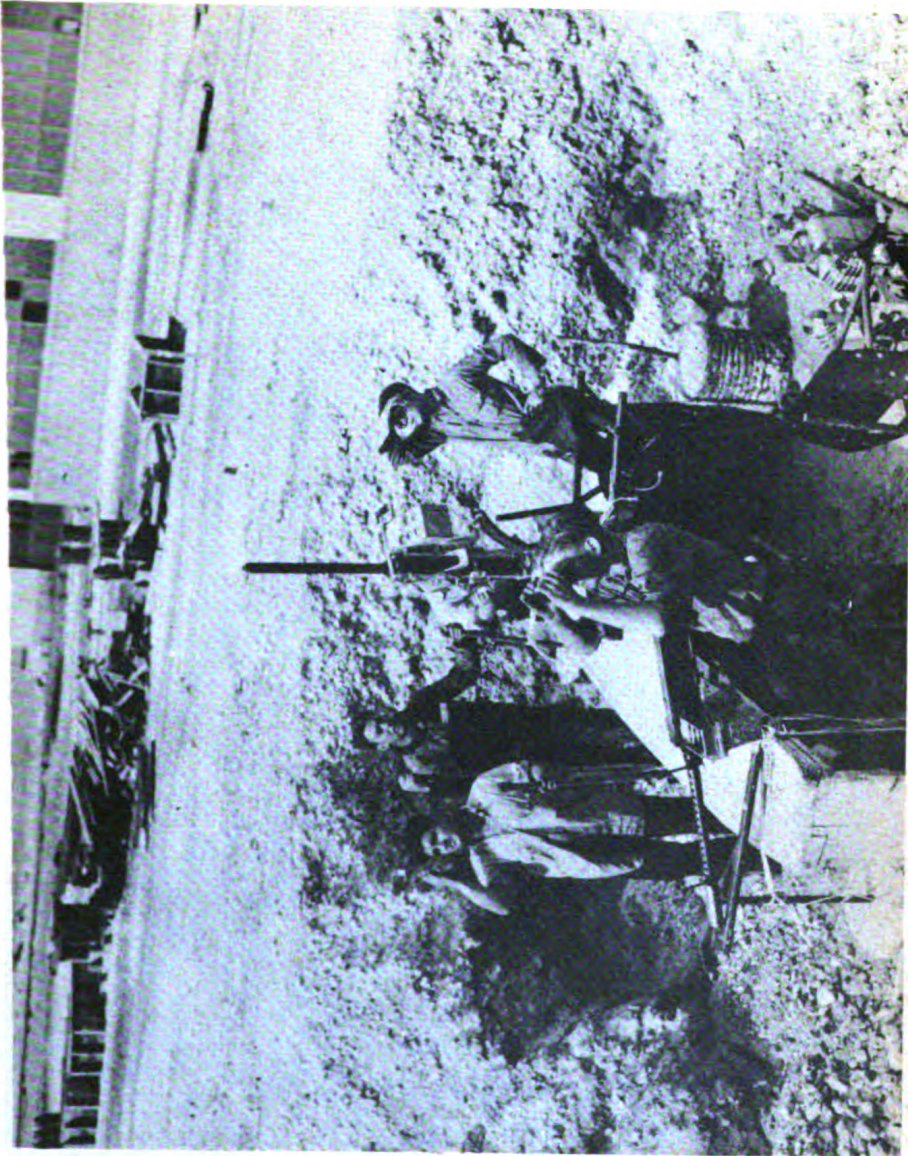
79716 O-46 RC

ITEM NO. 66



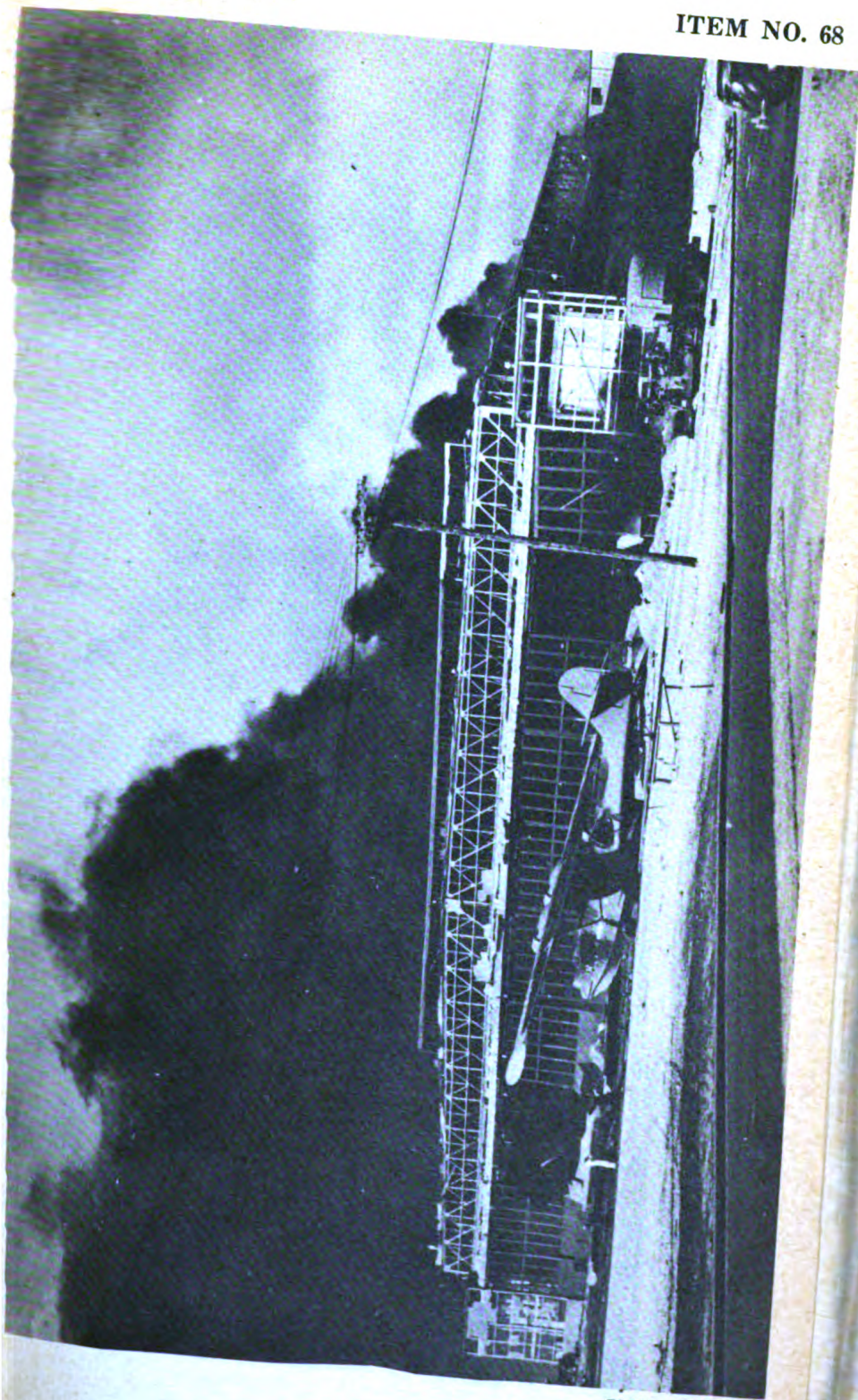
79716 O-46 RC

ITEM NO. 67



79716 O-46 RC

ITEM NO. 68



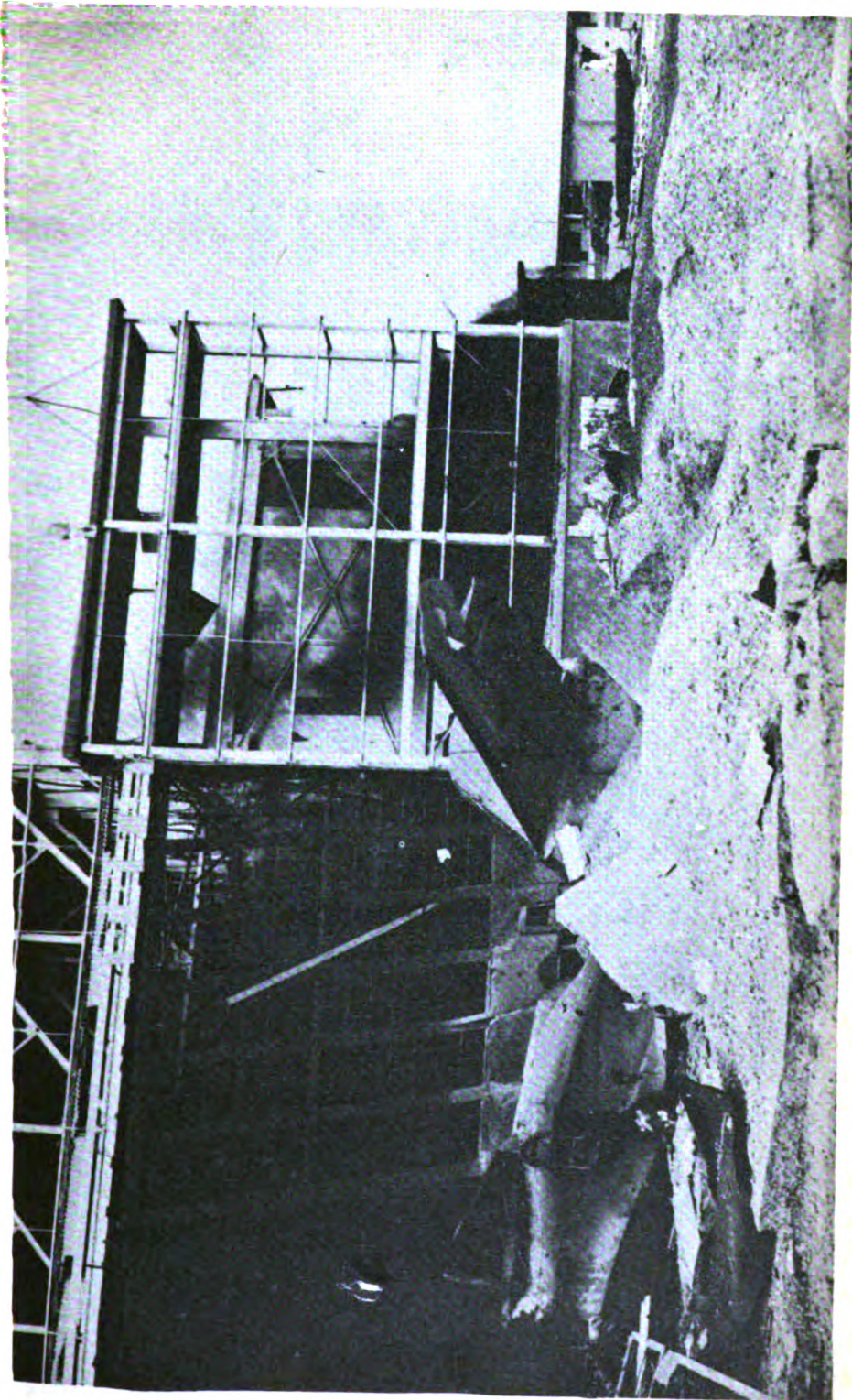
79716 O-46 RC

ITEM NO. 69



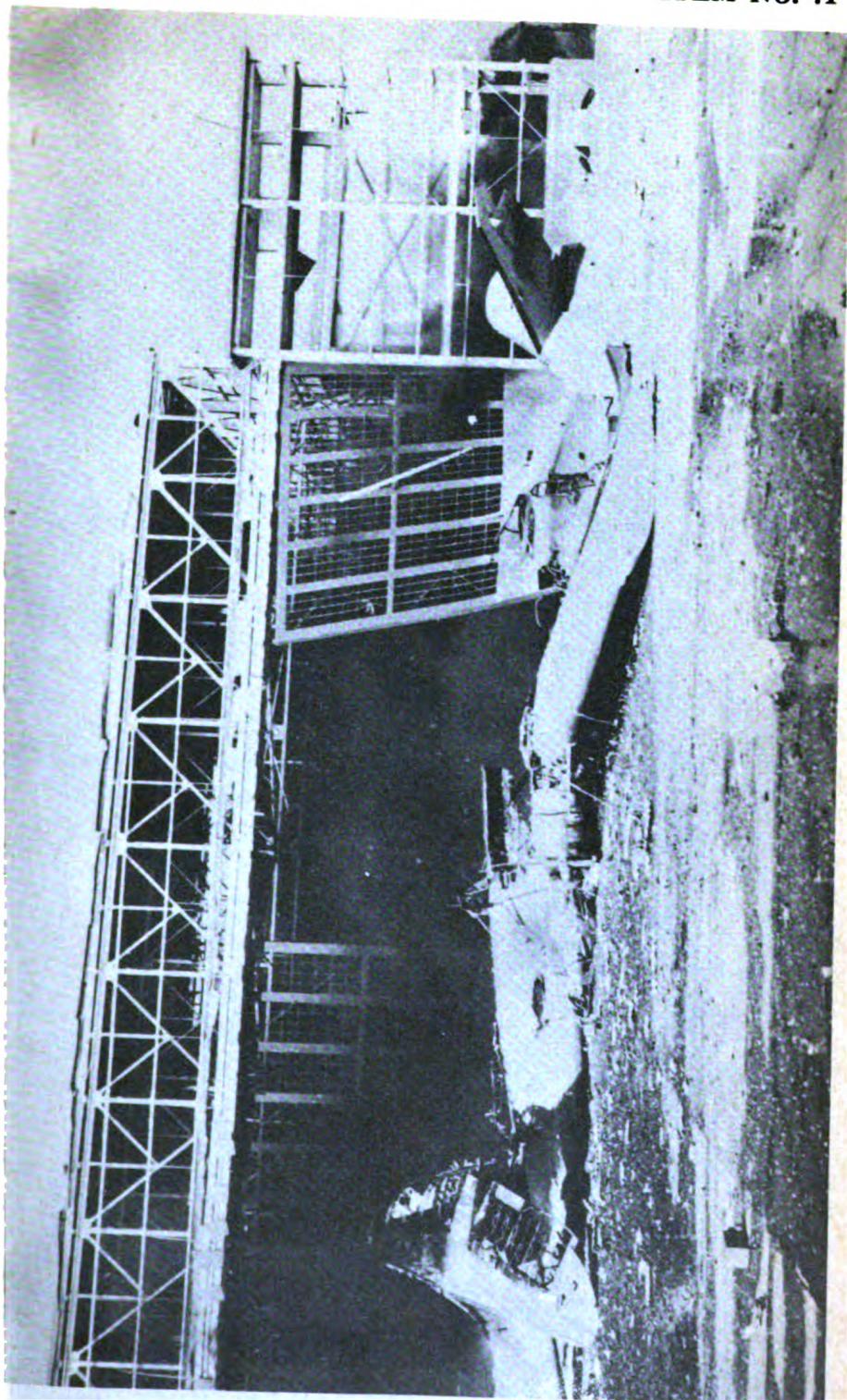
79716 O-46 RC

ITEM NO. 70

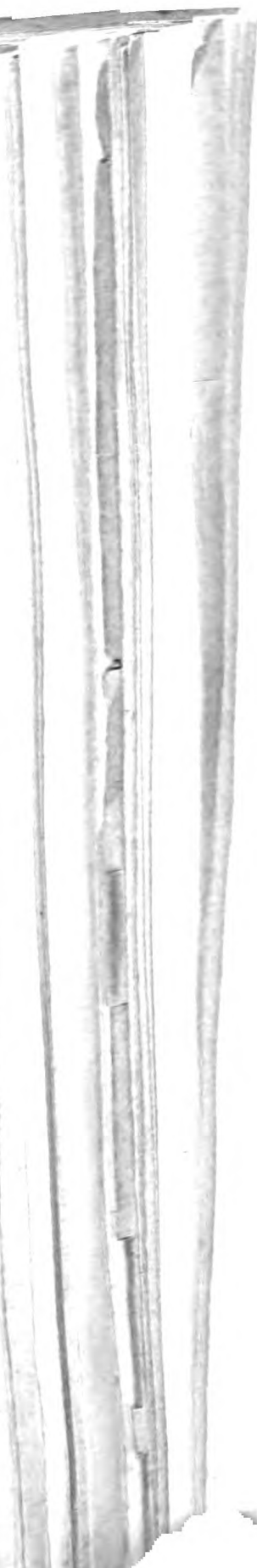


79716 O-46 RC

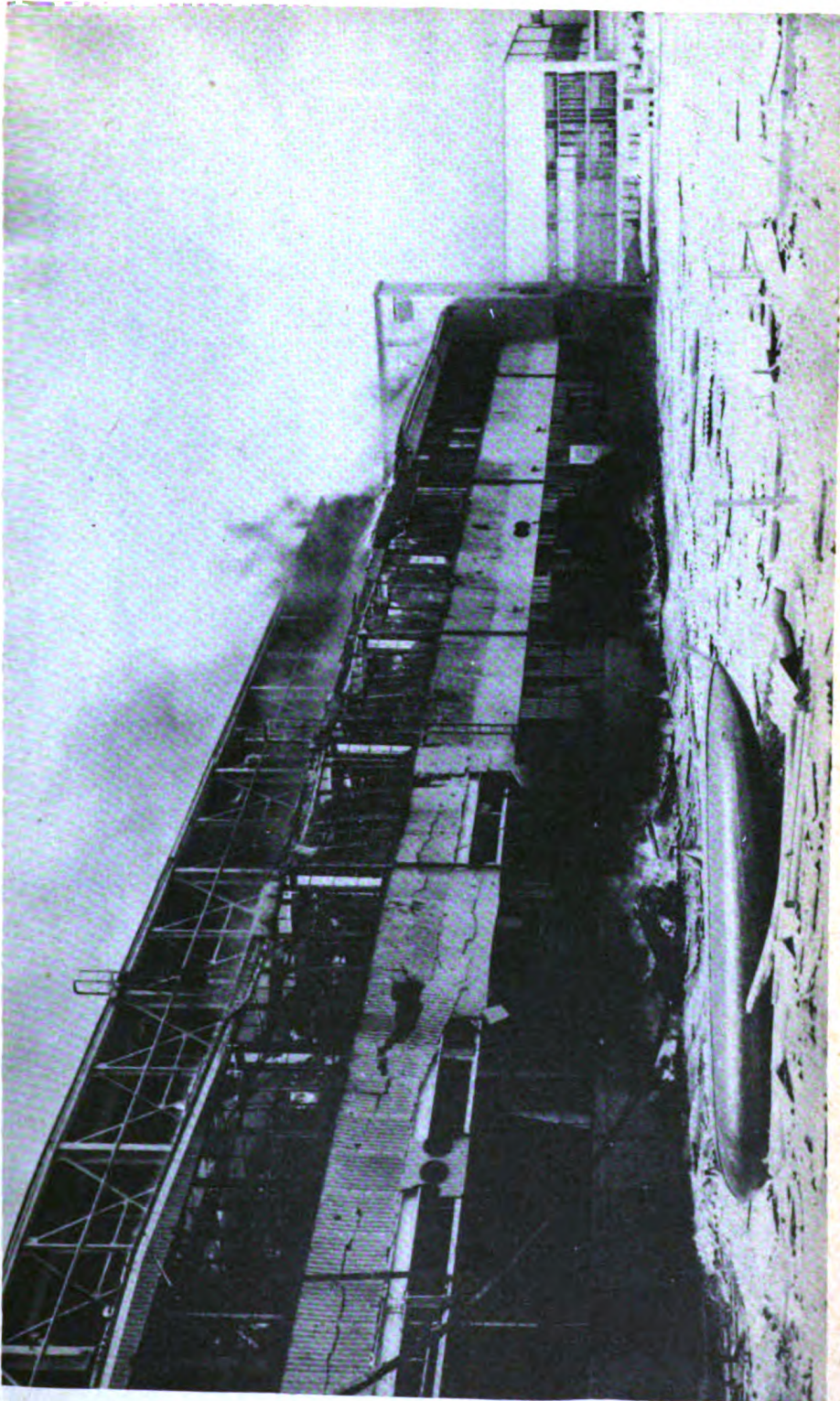
ITEM NO. 71



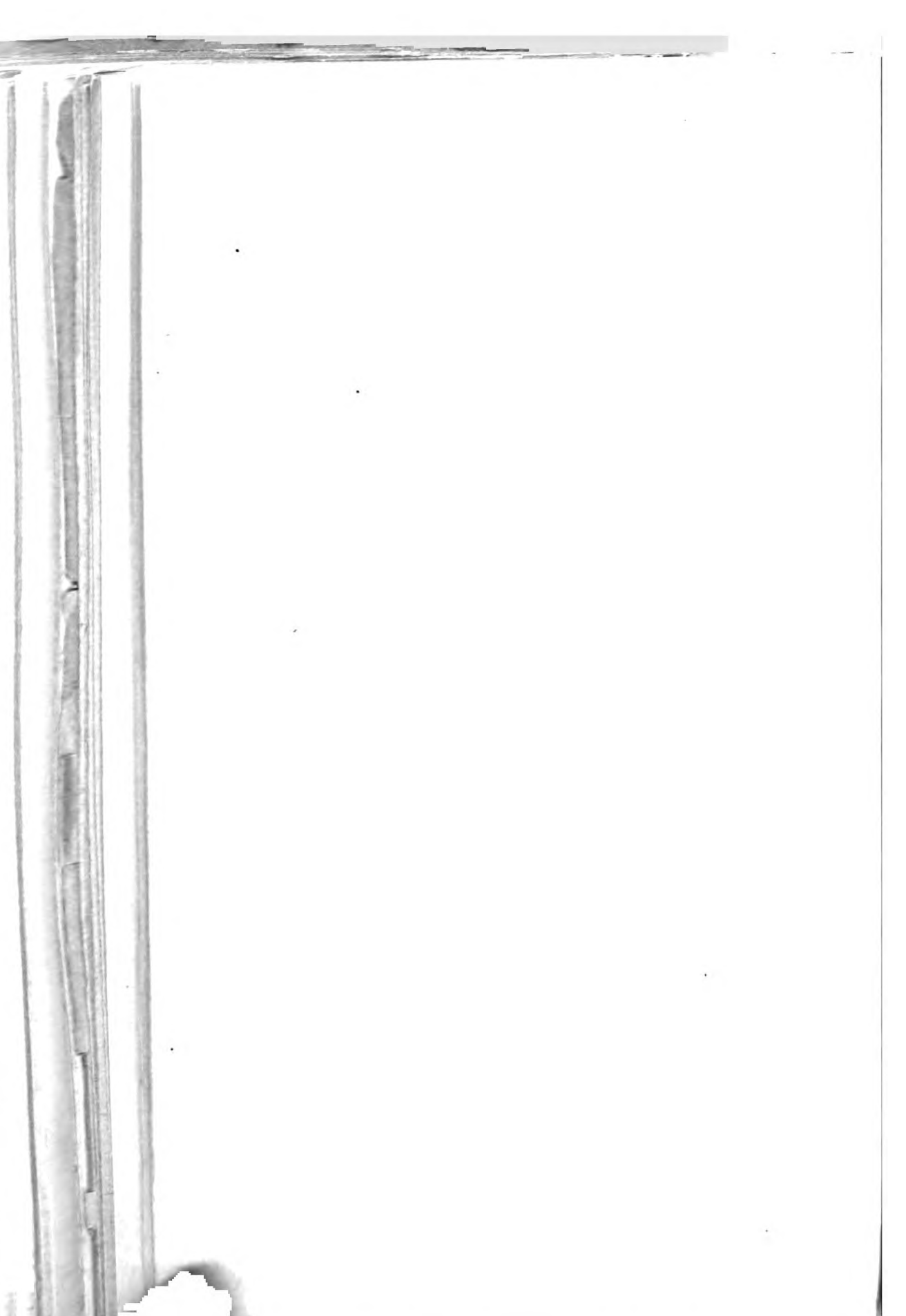
79716 O-46 RC



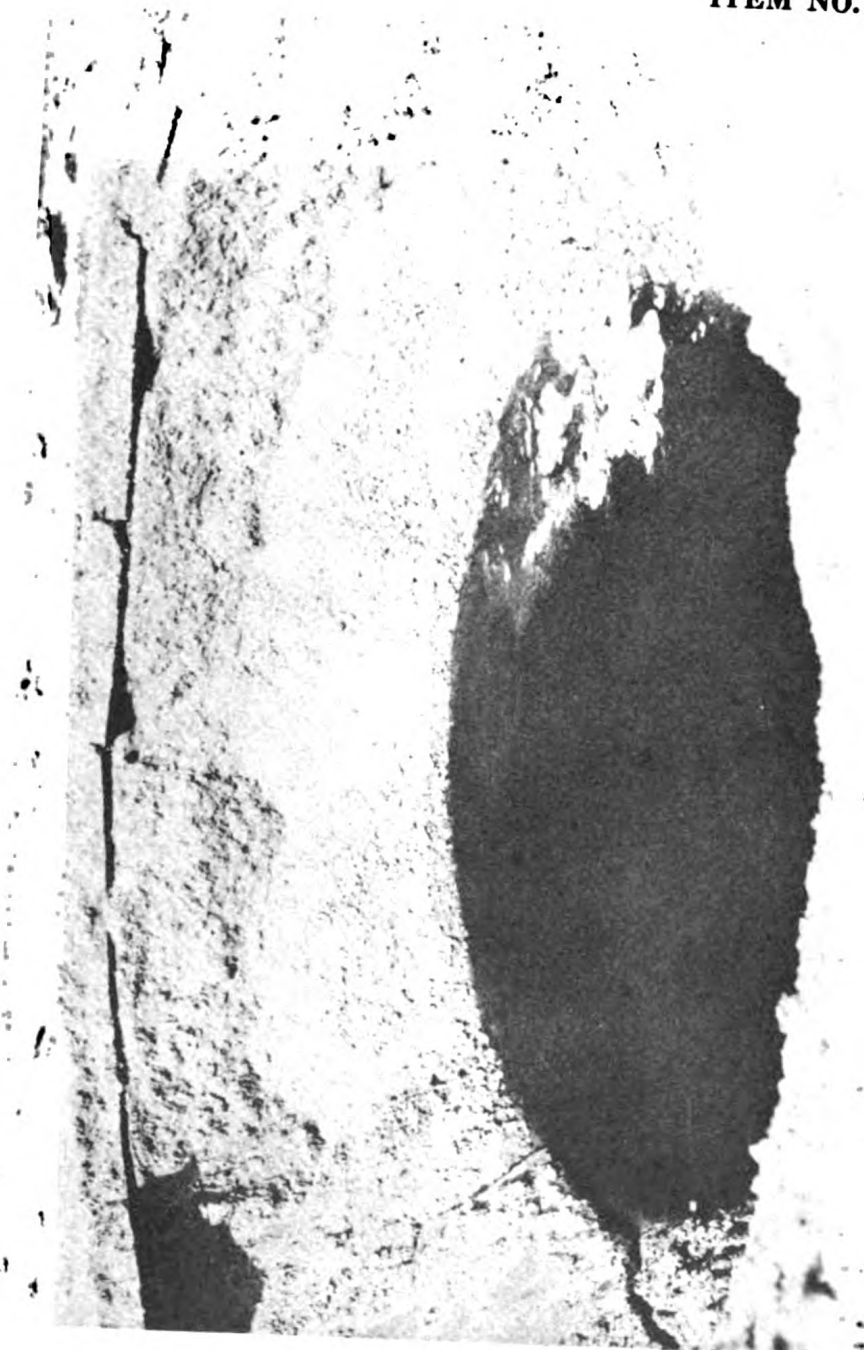
ITEM NO. 72



79716 O-46 RC



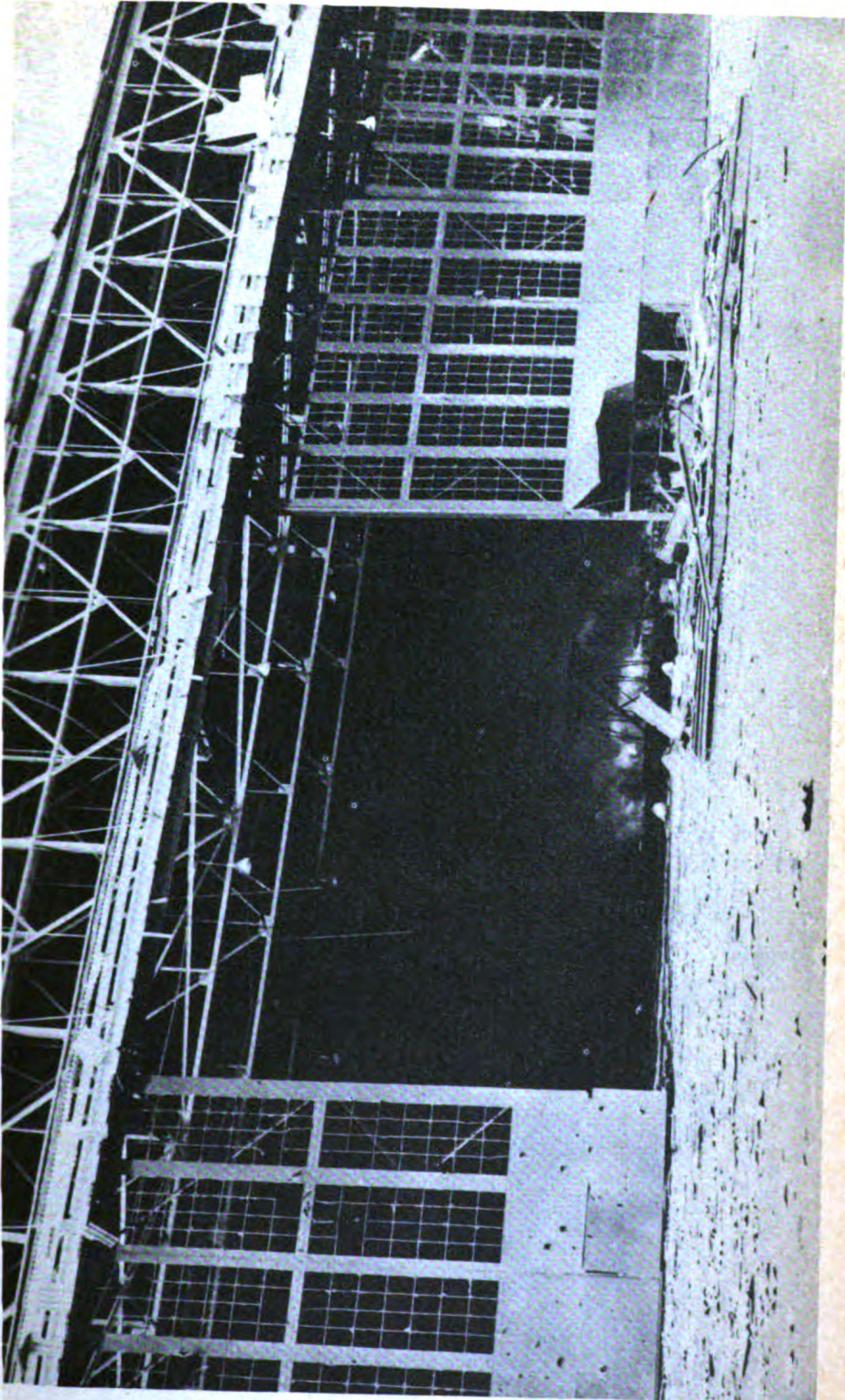
ITEM NO. 73



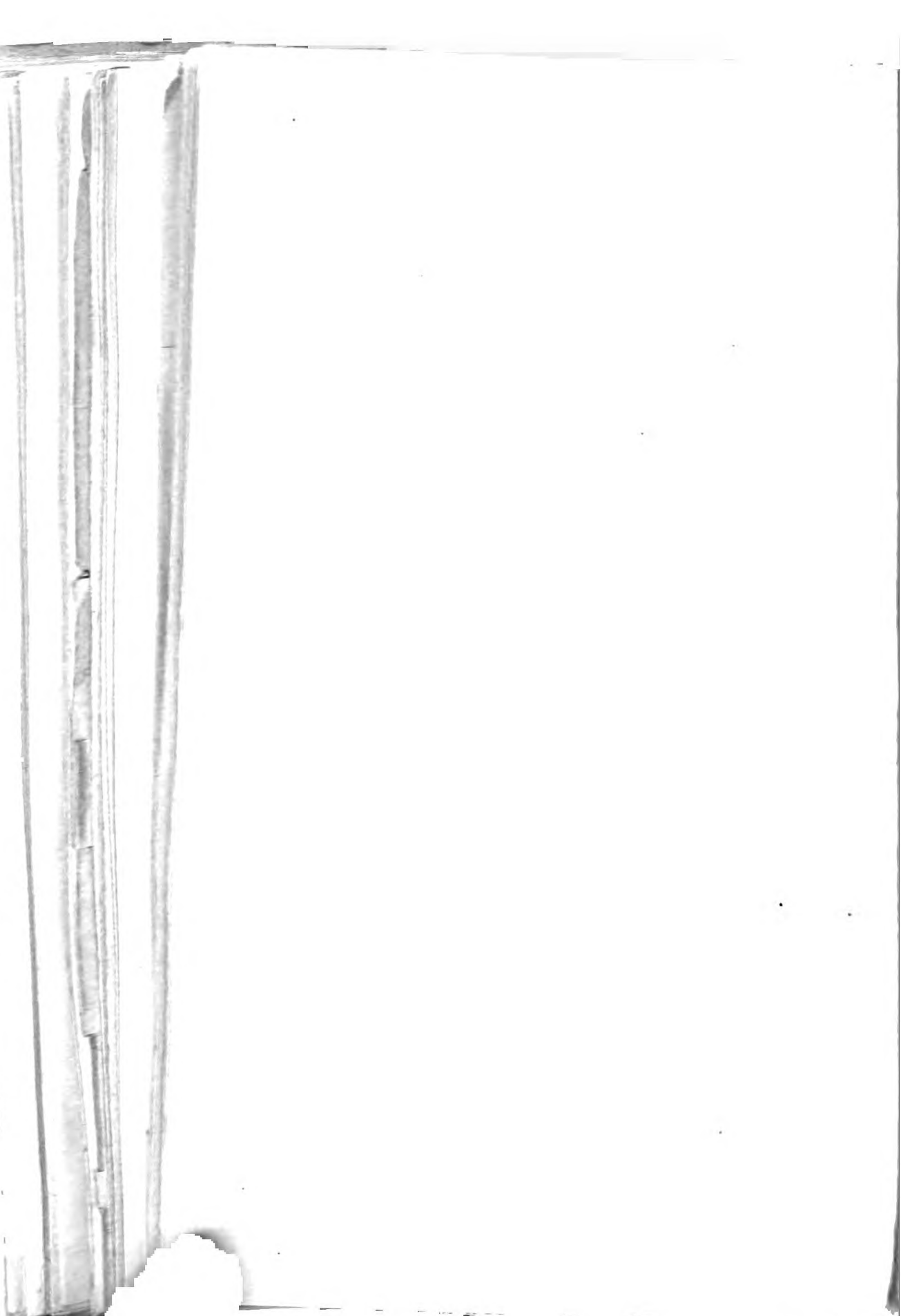
79716 O-46 RC



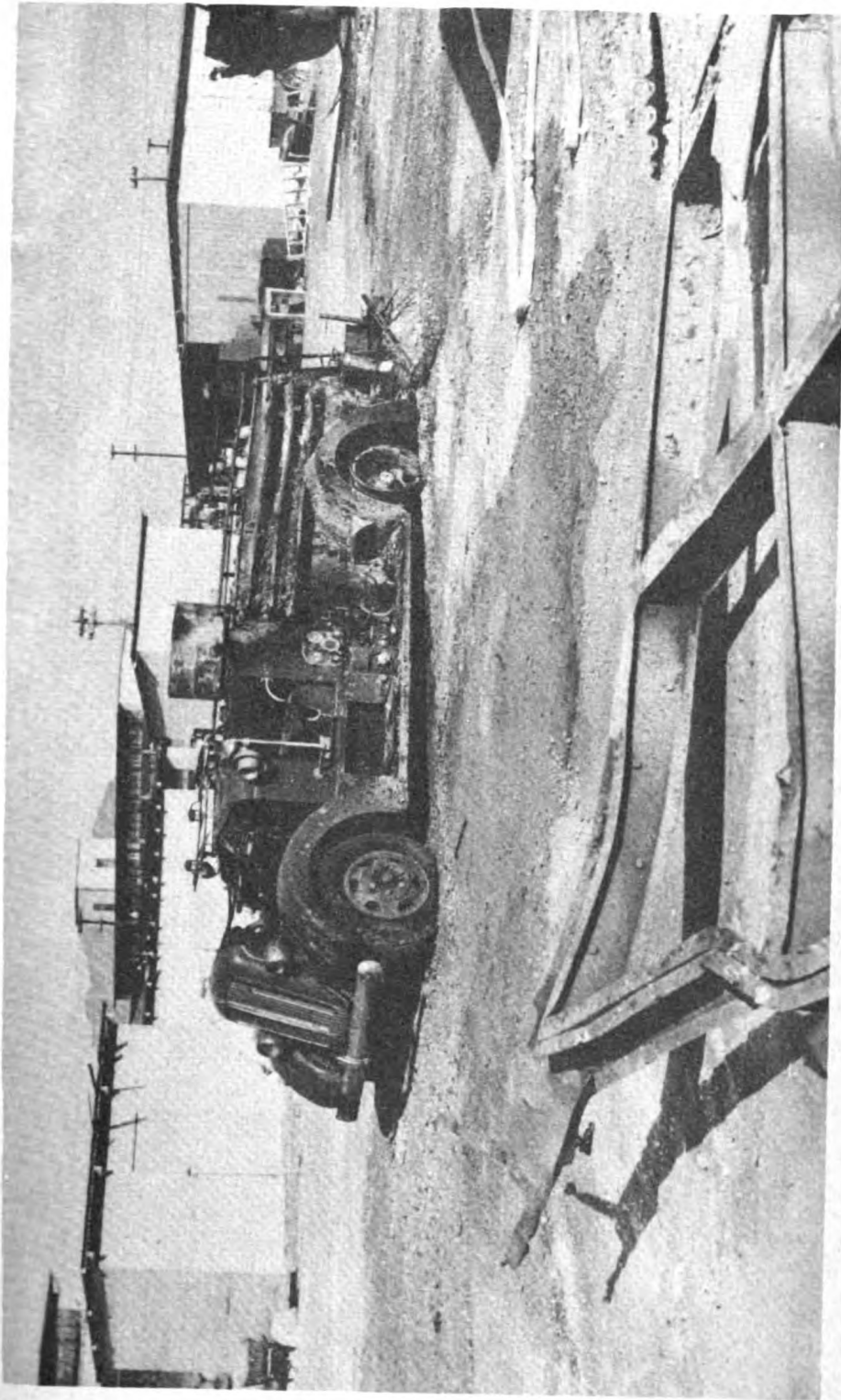
ITEM NO. 74



79716 O-46 RC



ITEM NO. 75



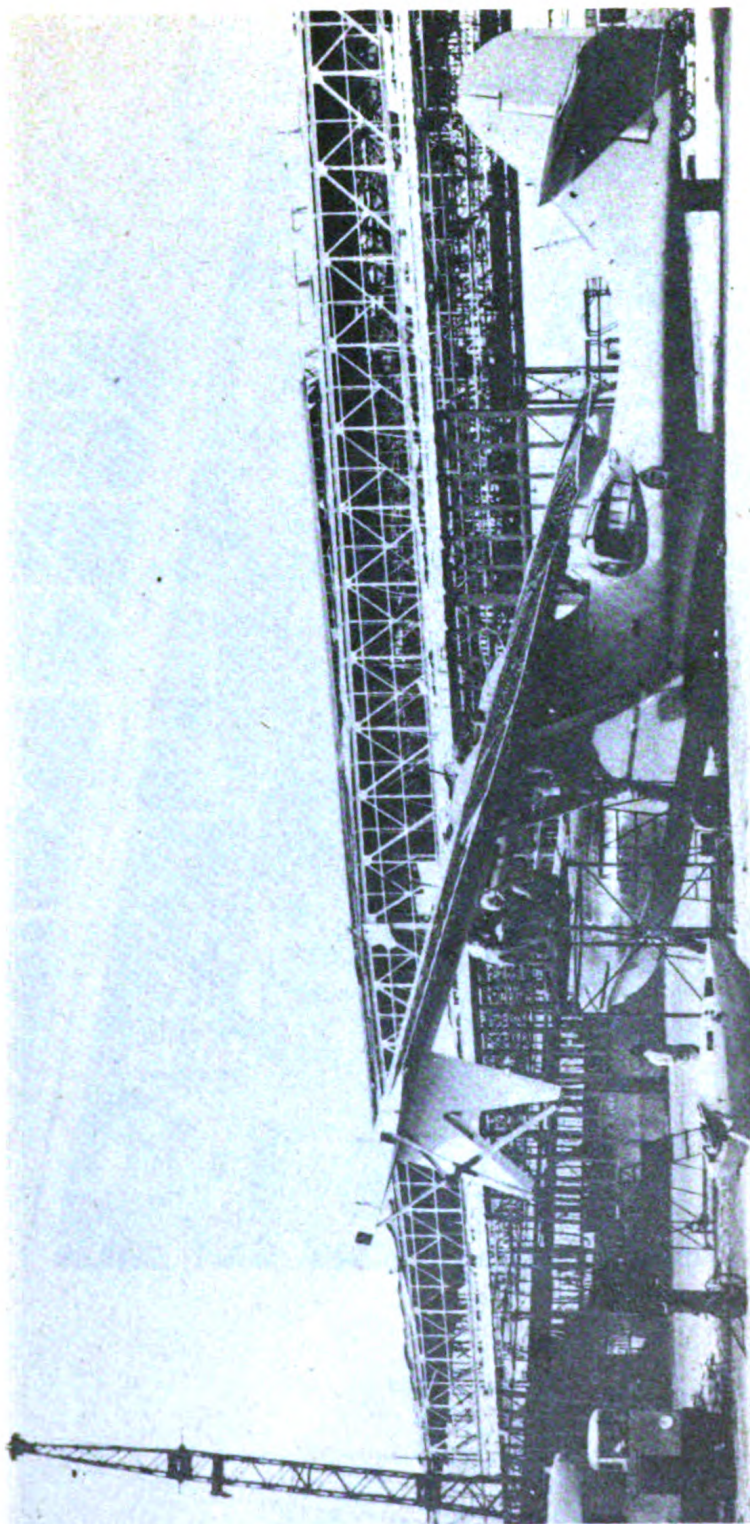
79716 O-46 RC

ITEM NO. 76



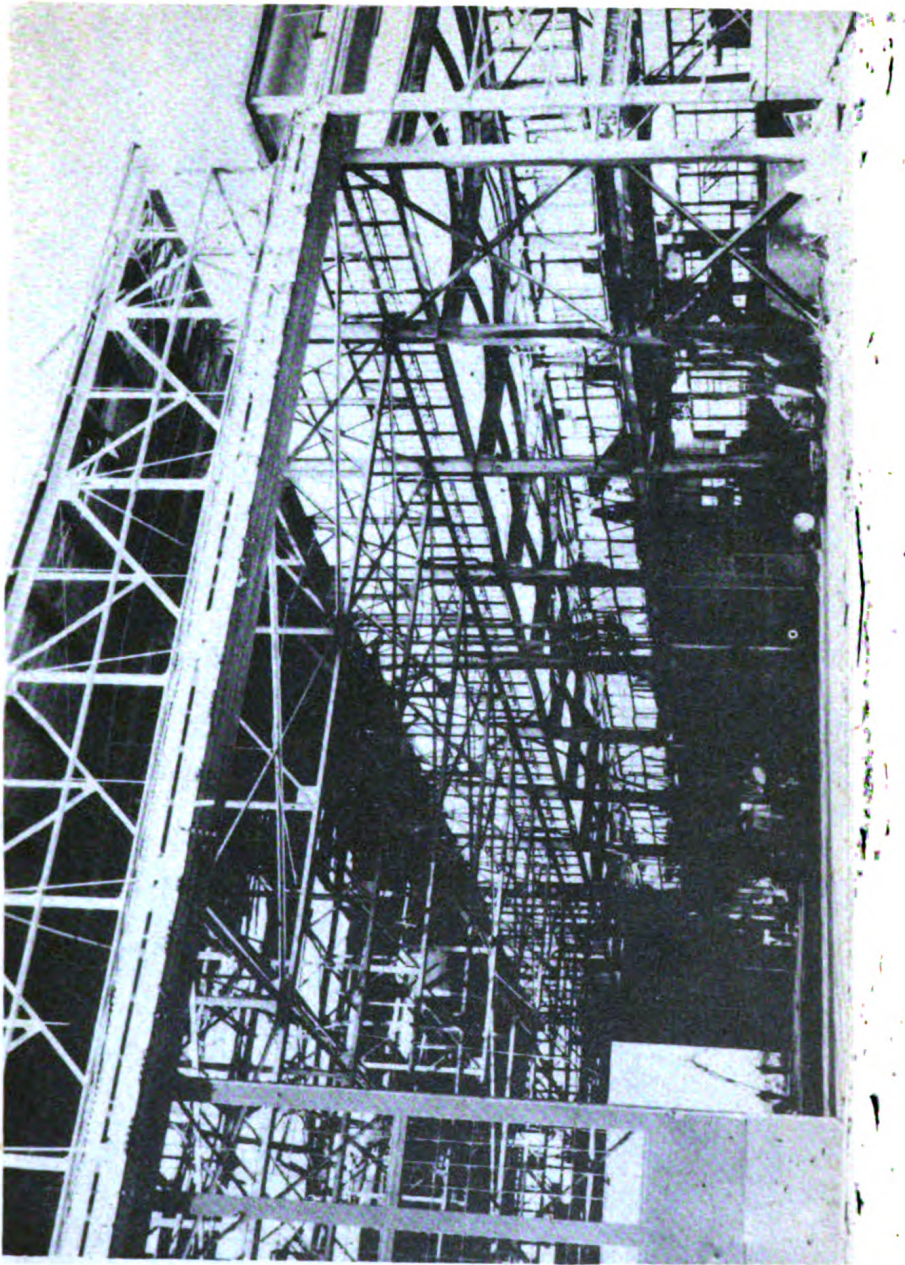
79716 O-46 RC

ITEM NO. 77



79716 O-46 RC

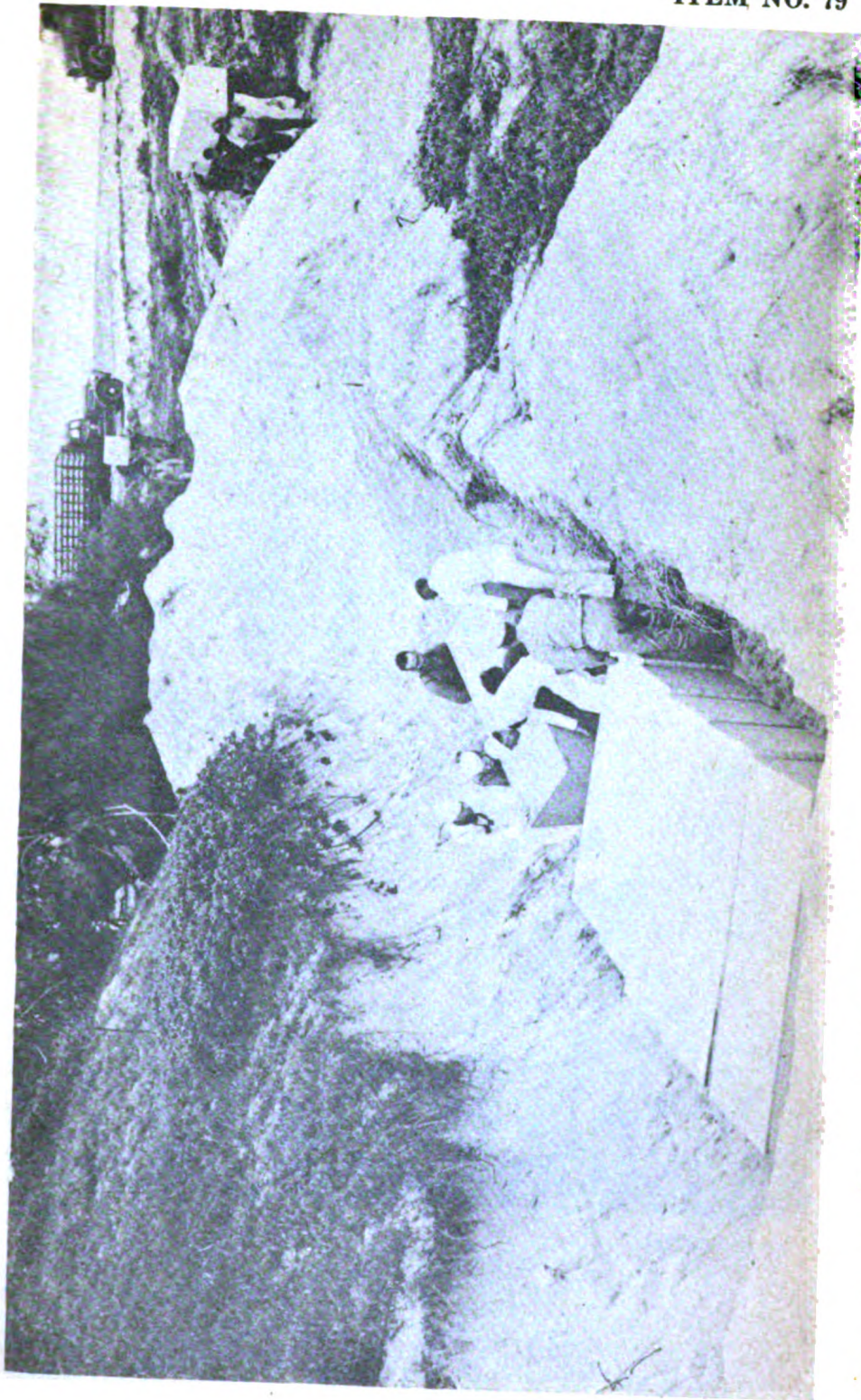
ITEM NO. 78



79716 O-46 RC

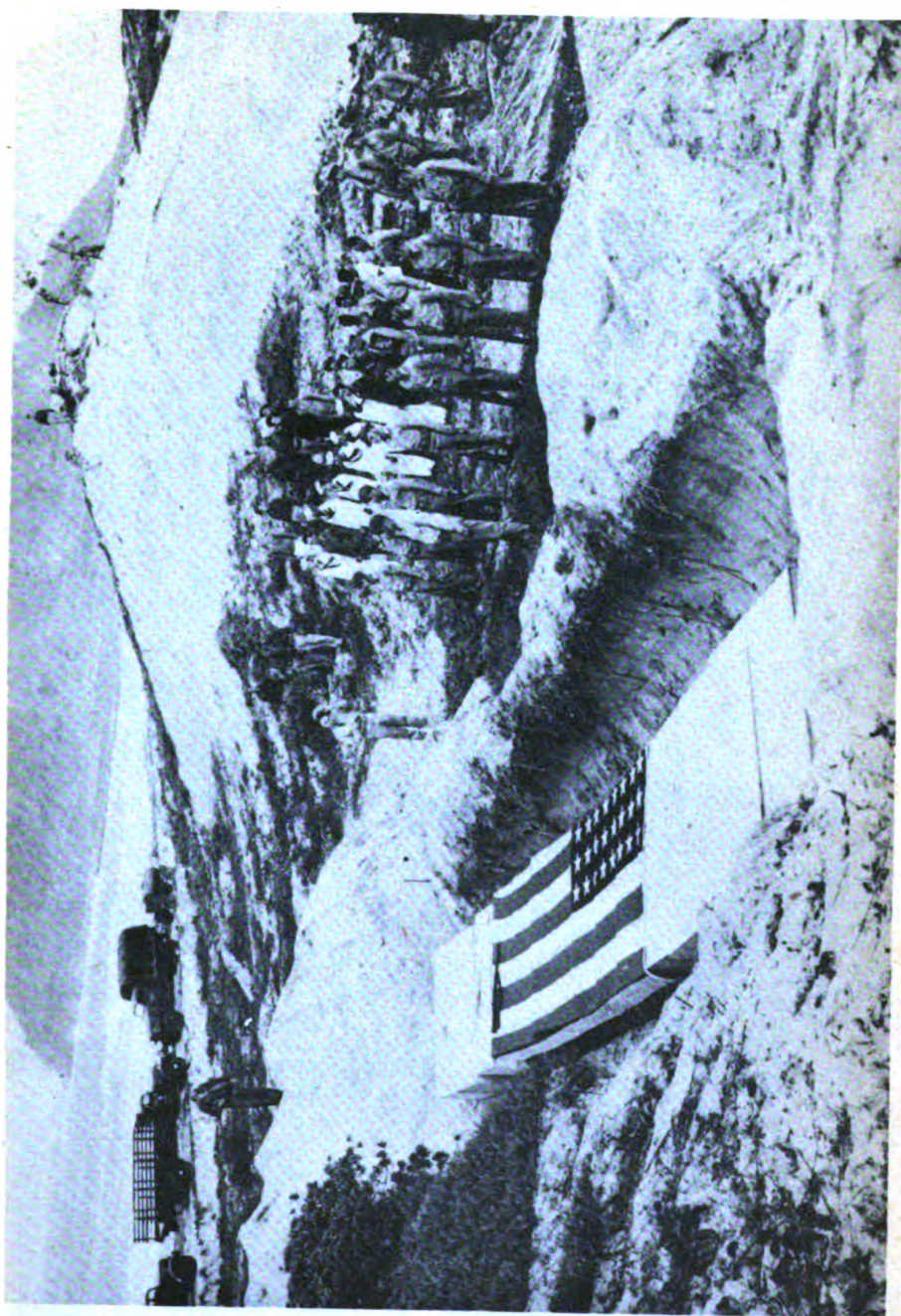


ITEM NO. 79



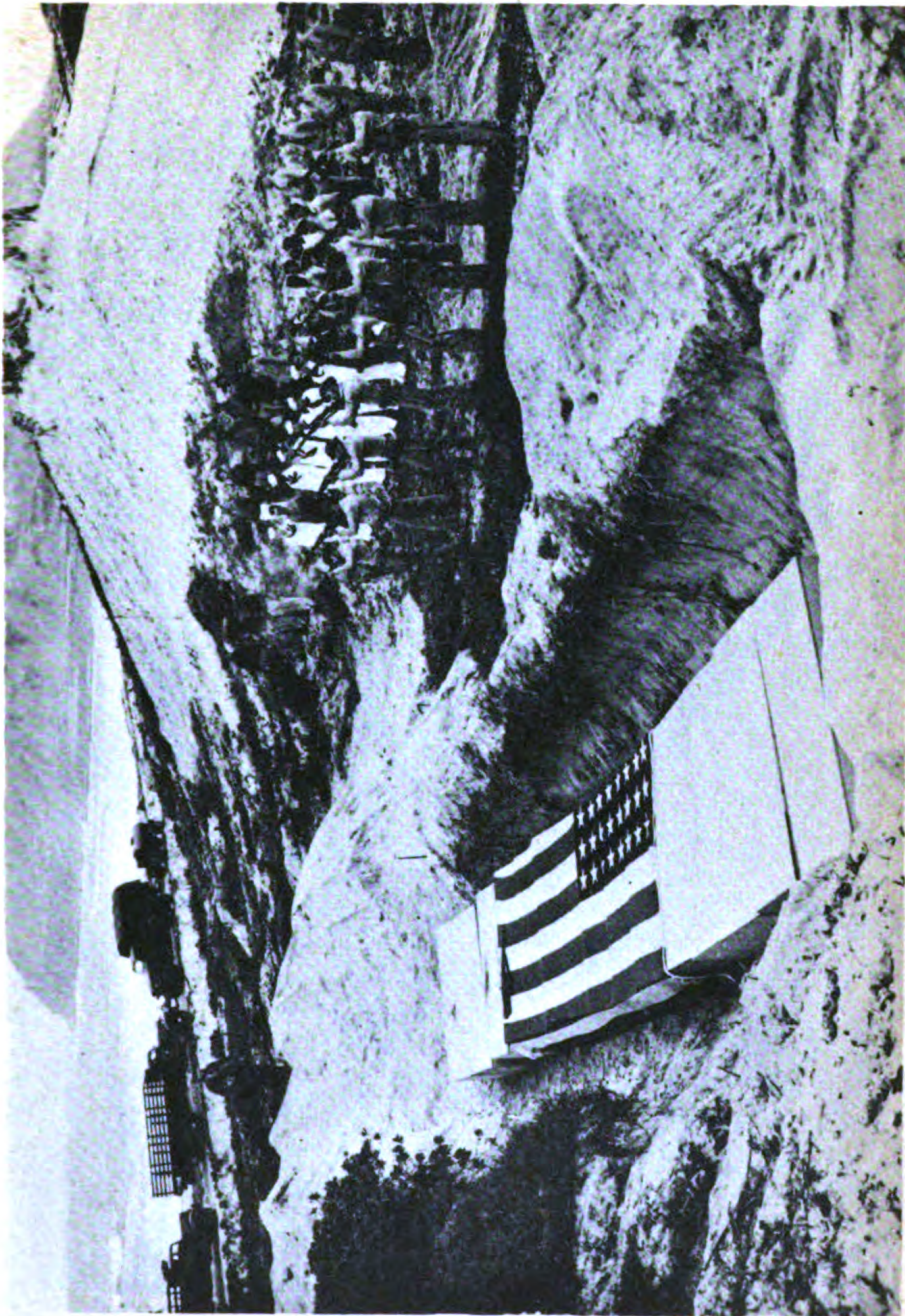
79716 O-46 RC

ITEM NO. 80



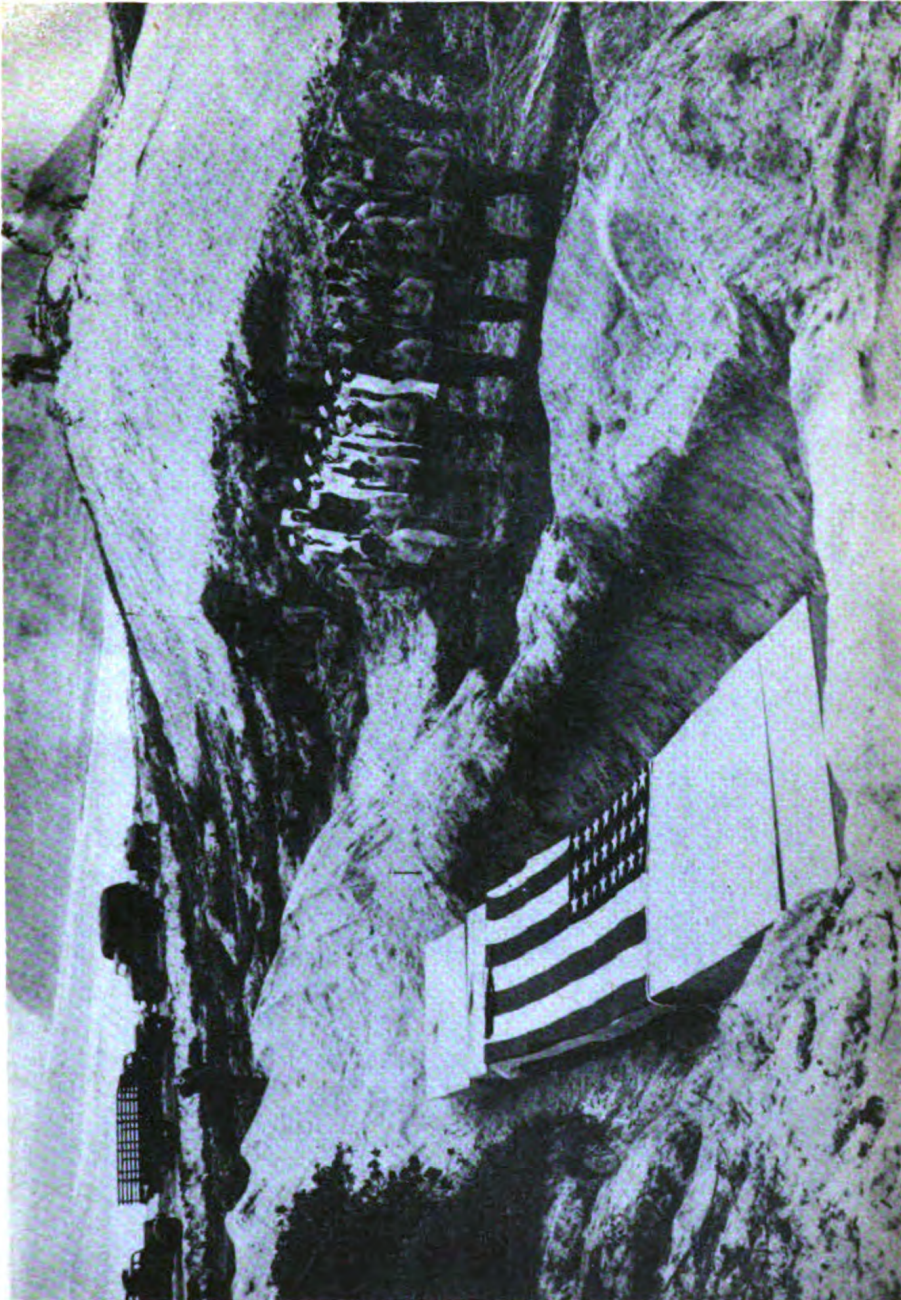
79716 O-46 RC

ITEM NO. 81



79716 O-46 RC

ITEM NO. 82



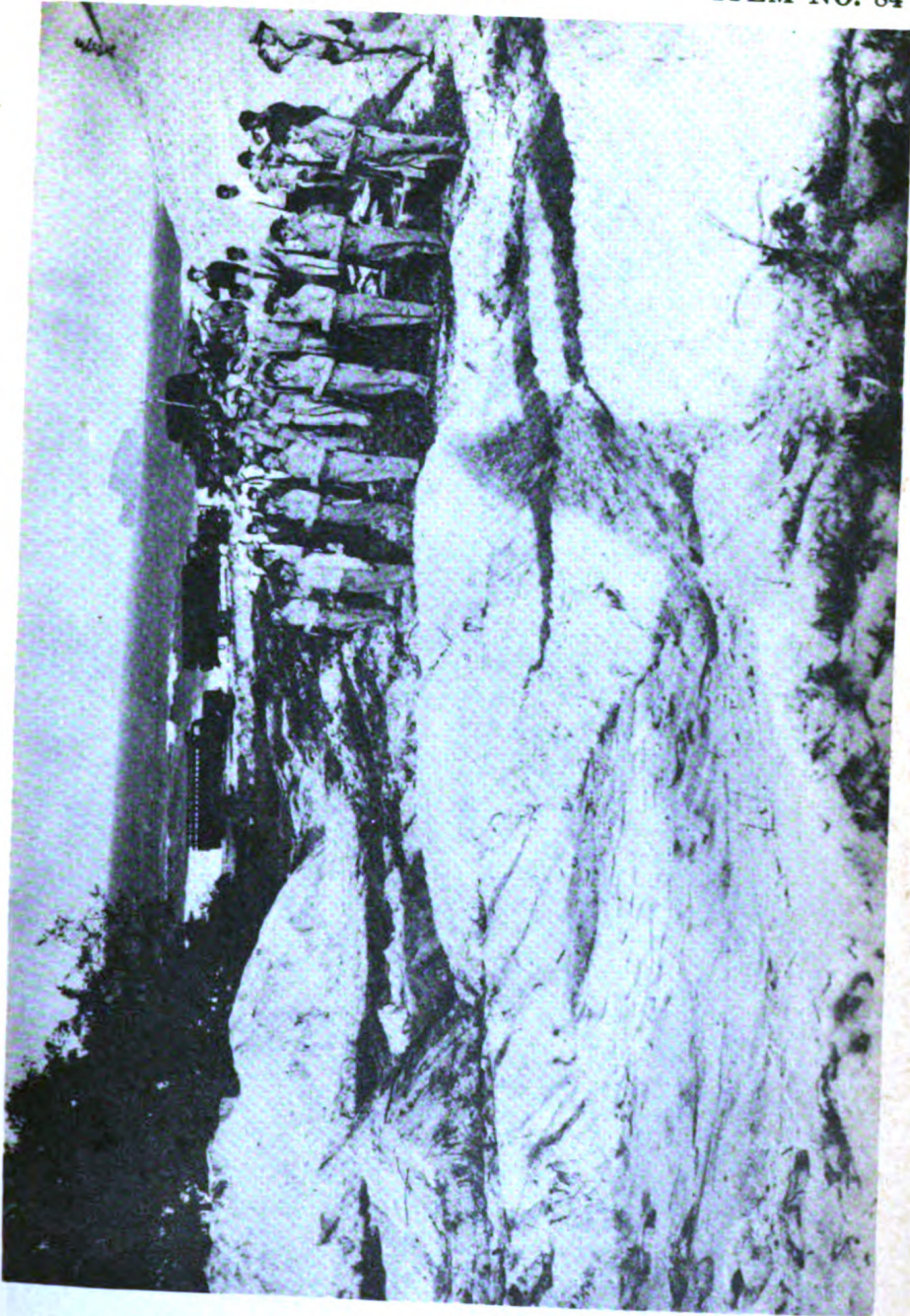
79716 O-46 RC

ITEM NO. 83

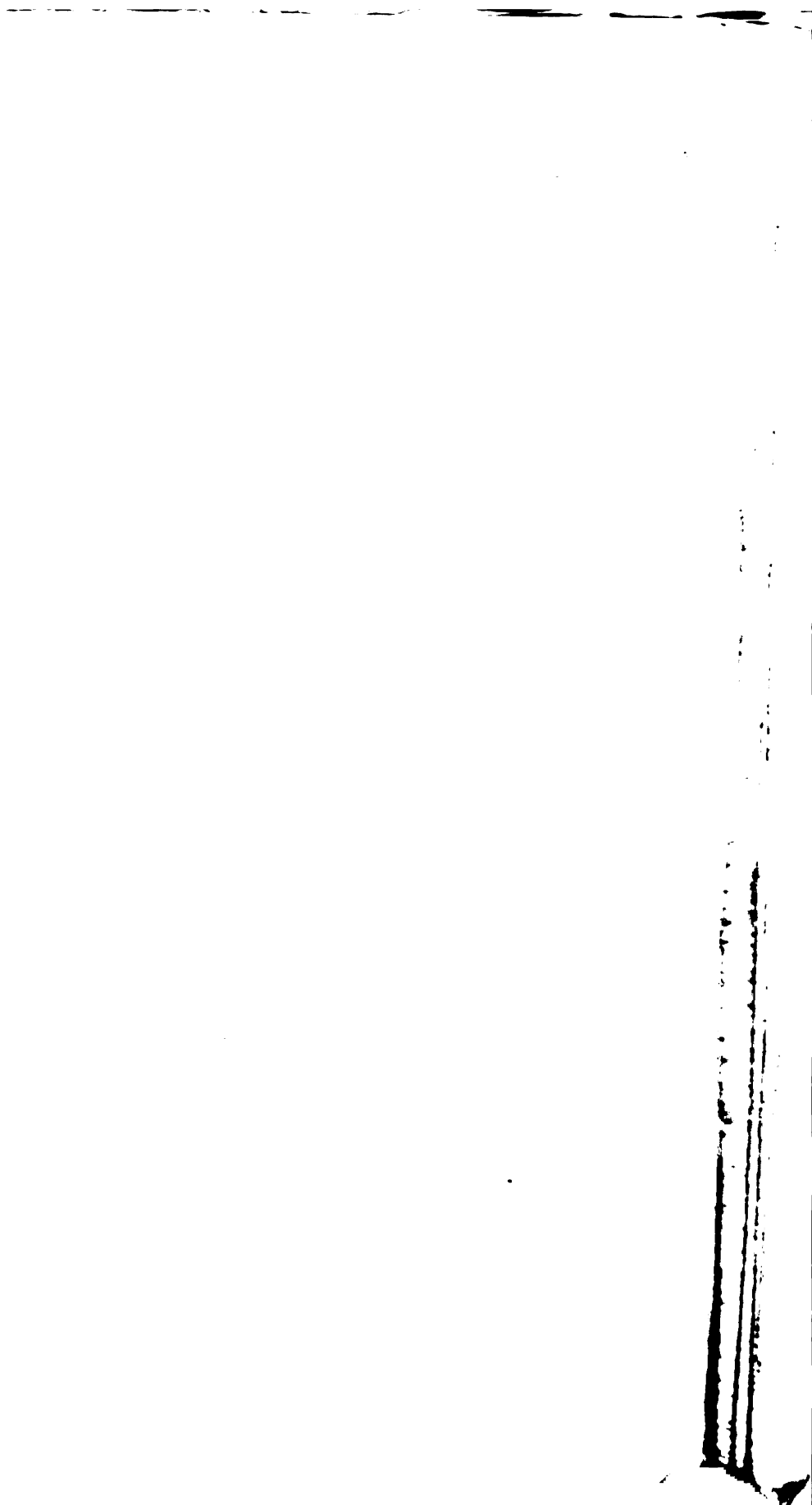


79716 O-46 RC

ITEM NO. 84



79716 O-46 RC



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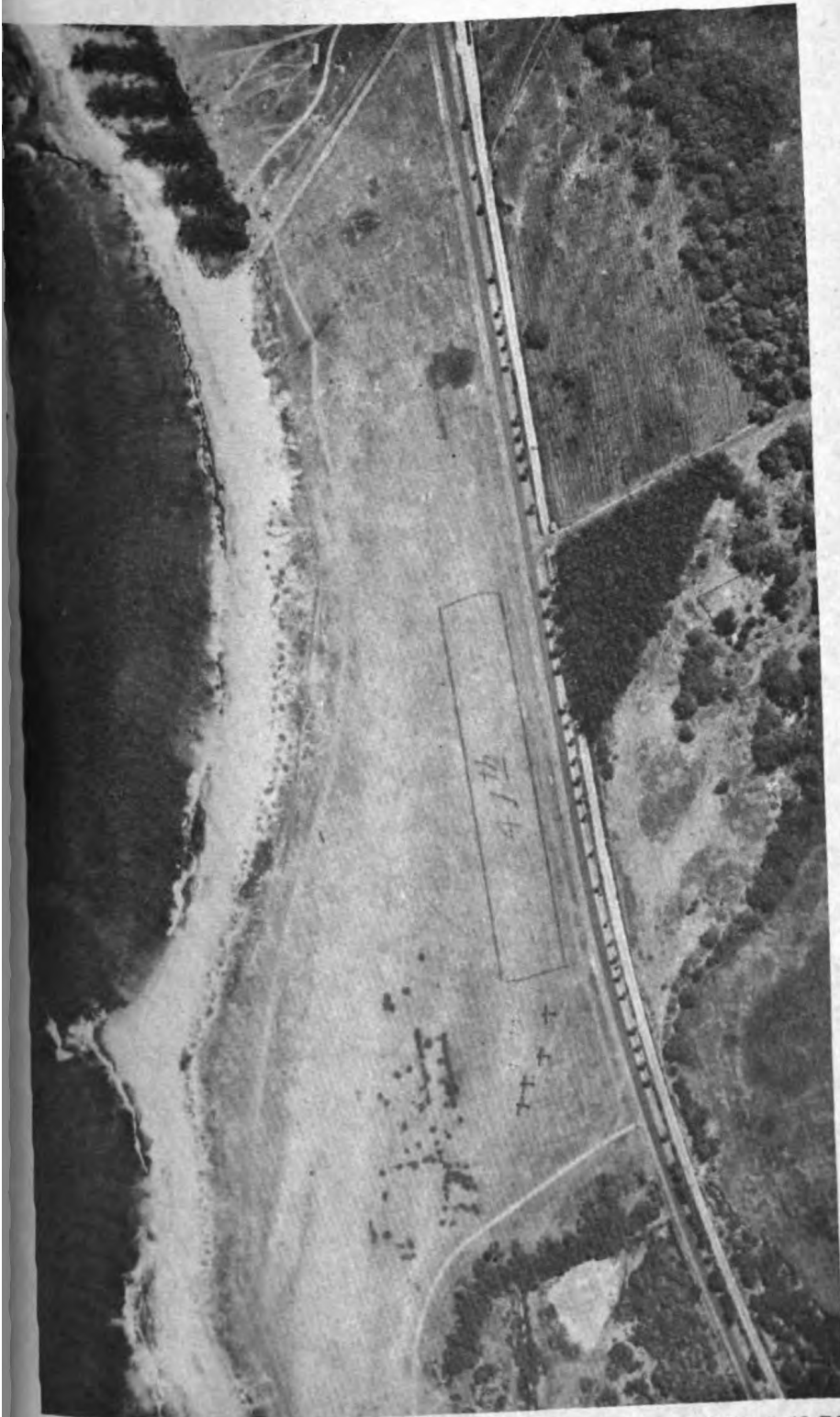
.

ITEM NO. 85

CONFIDENTIAL

ITEM NO. 86

7



79716 O-46 RC

ITEM NO. 87

79716 O-46 RC

ITEM NO. 88



ELEPHANT FIELD, TH

DATE: 7-2-41

SCALE: 1:1000

1000'

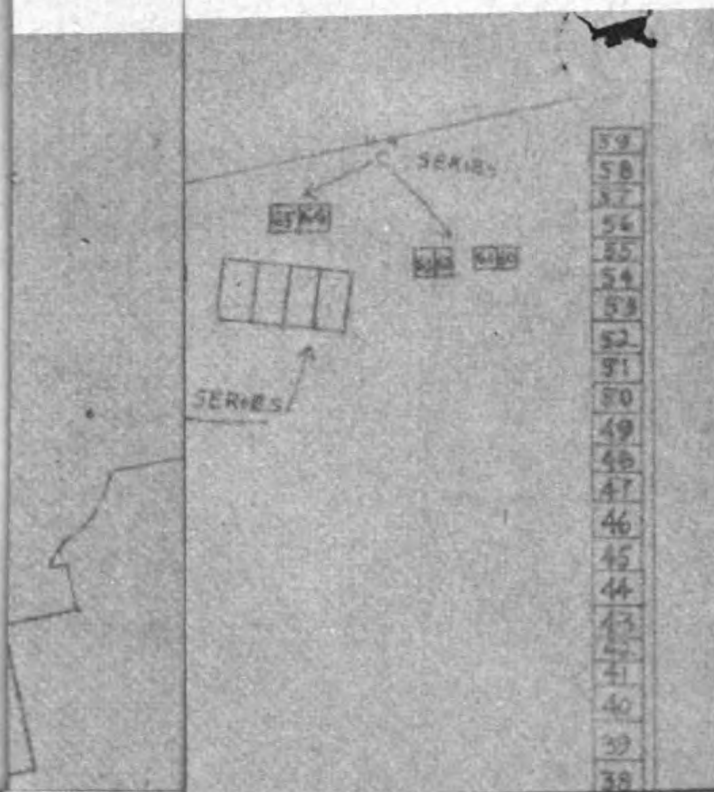
1500'

2000'

CONFIDENTIAL

C-291

ITEM NO. 89



Handwritten notes and markings on the bottom section of the page. On the left, there are small boxes containing the numbers "23" and "31". In the center, the text "# 57" is visible. On the right, there is a large handwritten "1" inside a circle, with a smaller "1" written below it. Below these, the word "Aug" is written, followed by a small "i." and a checkmark.

79716 O-46 RC

[REDACTED]

1

2

3

4

5

6

7

8

9

ITEM NO. 91

45'

1030

1035

157°40'

1040

SECRET

DEFENSE PROJECT-1941
AIRCRAFT DISPOSITIONS

INS AND AAAIS OP'S
BASIC DOCUMENT

SURE NO. - 2.1

LEGEND

2720

40'

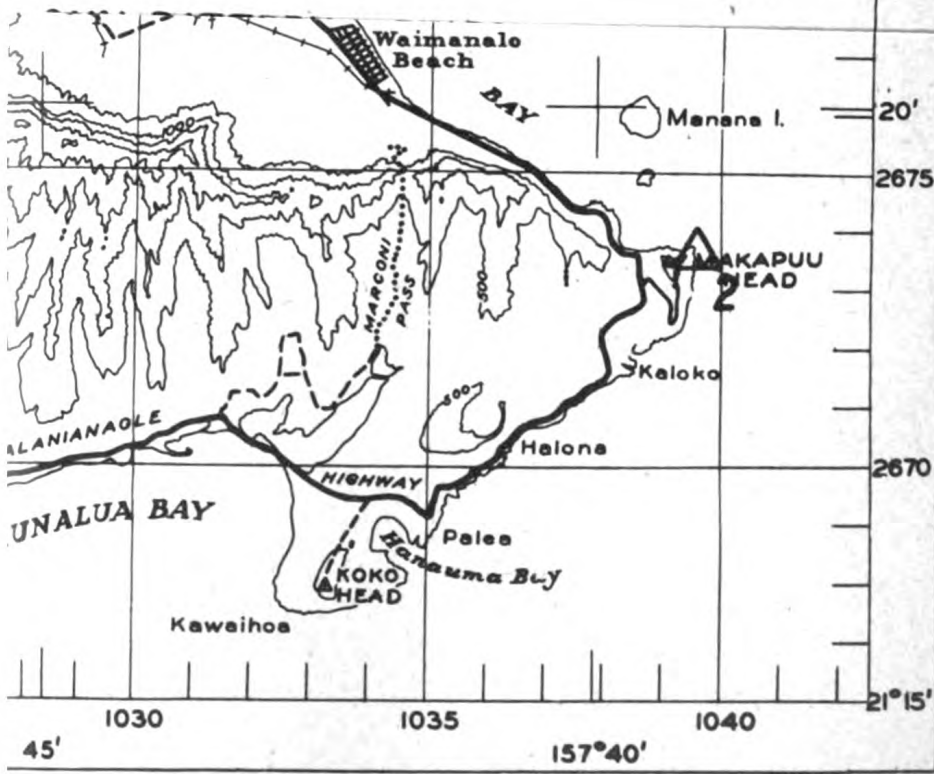
2715

20'

2675

2670

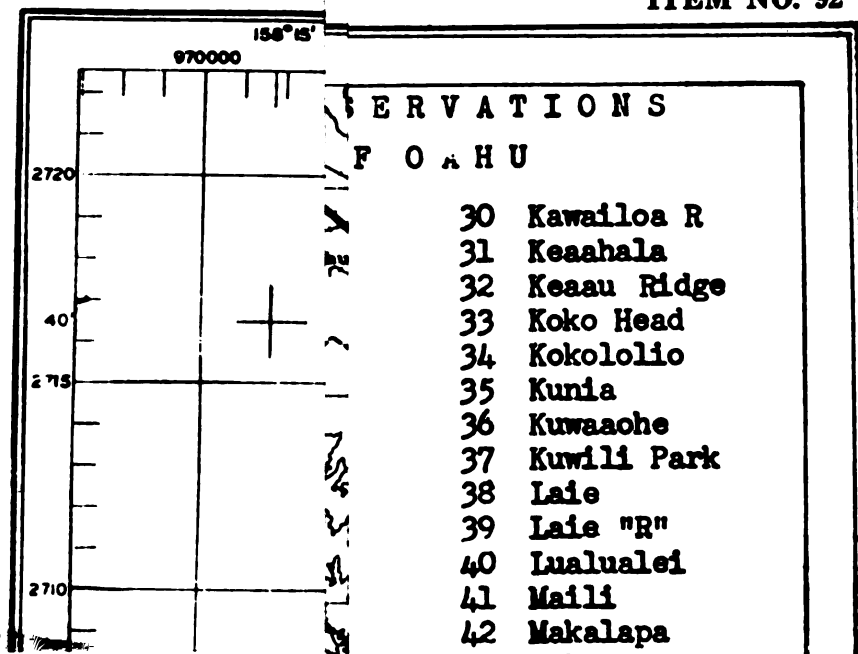
21°15'





•

~~SECRET~~

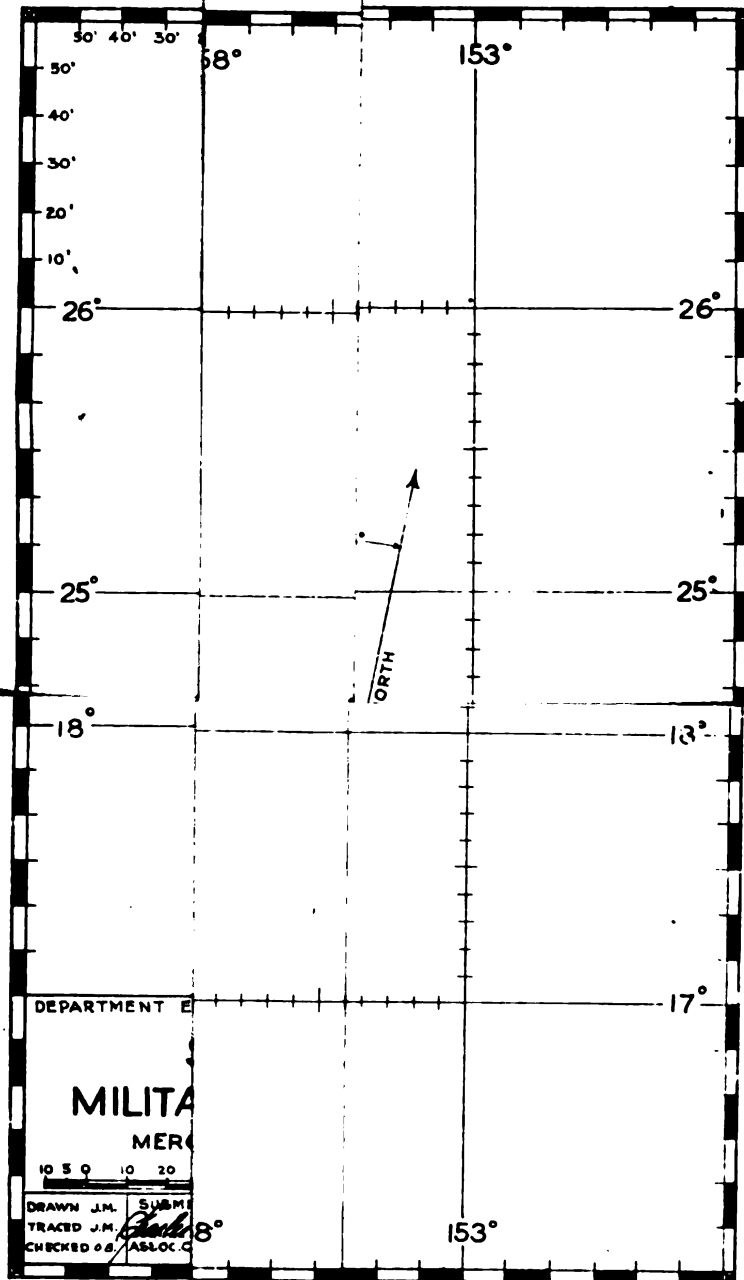


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Roberts Com

ITEM NO. 93

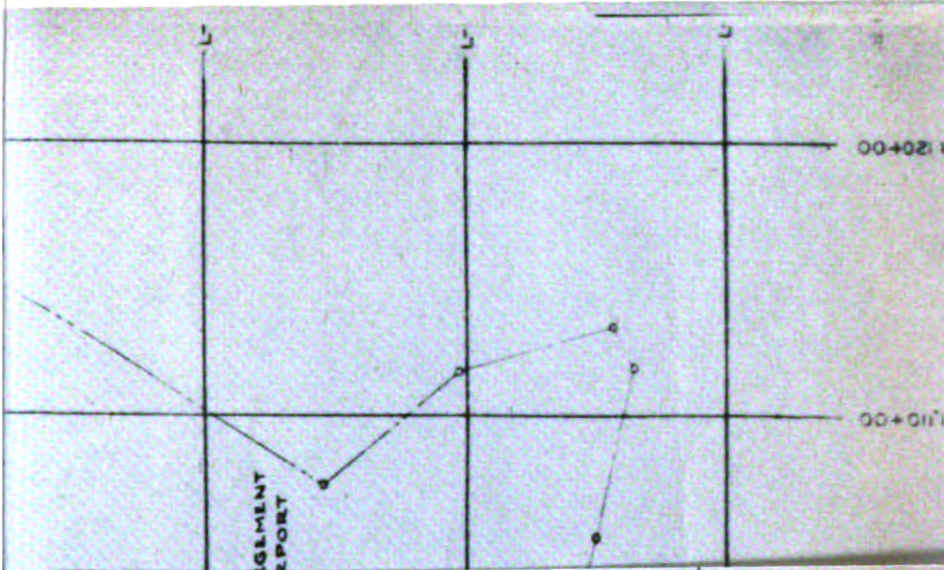


NOTE: Graphic

ER MAP REPRODUCTION PLANT, FT. SHAFTER.

79716 O-48 RC





CEAN

Incl No 2 to
Letter 22 Dec 1944 to
CG HAF, subject:
Record of Operations

1-10	1-11	1-12
1-13	1-14	1-15
1-16	1-17	1-18
1-19	1-20	1-21
1-22	1-23	1-24
1-25	1-26	1-27
1-28	1-29	1-30
1-31	1-32	1-33
1-34	1-35	1-36
1-37	1-38	1-39
1-40	1-41	1-42
1-43	1-44	1-45
1-46	1-47	1-48
1-49	1-50	1-51
1-52	1-53	1-54
1-55	1-56	1-57
1-58	1-59	1-60
1-61	1-62	1-63
1-64	1-65	1-66
1-67	1-68	1-69
1-70	1-71	1-72
1-73	1-74	1-75
1-76	1-77	1-78
1-79	1-80	1-81
1-82	1-83	1-84
1-85	1-86	1-87
1-88	1-89	1-90
1-91	1-92	1-93
1-94	1-95	1-96
1-97	1-98	1-99
1-100	1-101	1-102

LAYOUT MAP
HIGRAM FIELD, T. H.

1/1/45

(C-14-917-17)(7-25-41)

(SECRET)

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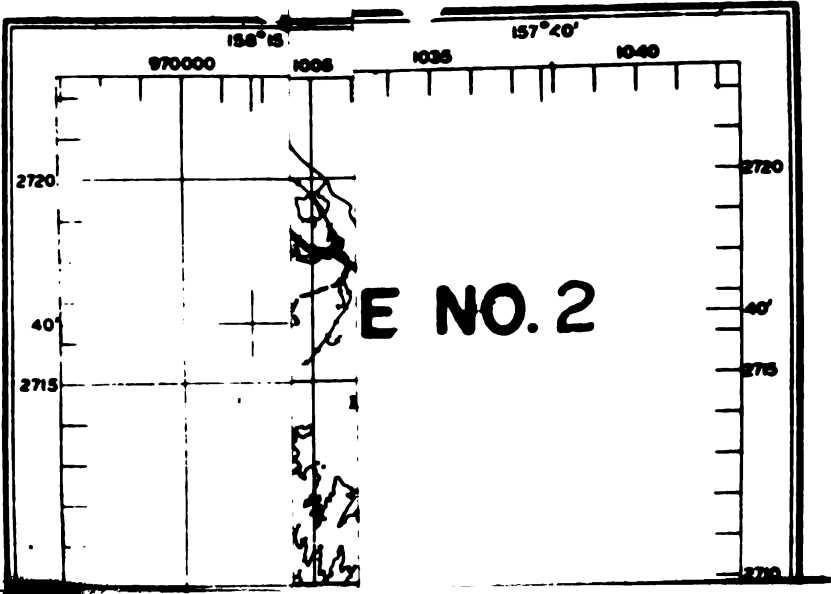
ITEM NO. 96

INSTALLATIONS

Huts (existing).
ate Cable Huts
nstructed.

s, indicate the
lines (existing).
ts, indicate the
red cable lines.

ITEM NO. 97



ITEM NO. 98

LOCATION	
NEAR PUALOA R.R. STATION	
ALAKEA and HALEKAUPULA ST.	
PUREMANA and LIME ST.	
HARDING AVE. BET. 5th and 10th AVE.	
LIME and KAWAHOLO ST.	
ITEM	
NEAL ST. OPP. MULWAJ ST.	
HONOLULU, EWA PUMP 7	
WAIMANALO	
LIME and KAWAHOLO ST.	
PEARL CITY, HON. PLAN. PUMP 7.	
NEAL ST. OPP. MULWAJ ST.	
LIME and KAWAHOLO ST.	
" " " "	
KUHO AVE. NEAR MAKEE RD.	
ALAKEA and HALEKAUPULA ST.	

ITEM NO. 9

ENGINEERS, U. S. ARMY

25x158	
20x20	-289
20x60	-289
37x63	-297
25x87	-298
37x99	-310
2- 37x84	-314
3- 25x99	-316
25x141	-318
12-25x27	-319
13-25x36	-319
25x54	-322
9 25x108	-322
11-25x54	-323
25x108	-323
60x153	-324
60x153	-324
6-12 Truck	-329
7-1-25x78	-330
OS-2	-365
MAN-25x72	-1110
4-25x114	-1127
29x80	-1165
7-29x100	-1241
82x130	-1331
56x153	-1225
37x66	-254
10-29x146	-1257
60x153	-326

WAY MOVED NOR
LDINGS SHOWN -vised building list
creation buildingAIAN DEPARTMENT
CAMPS

ITEM NO. 100



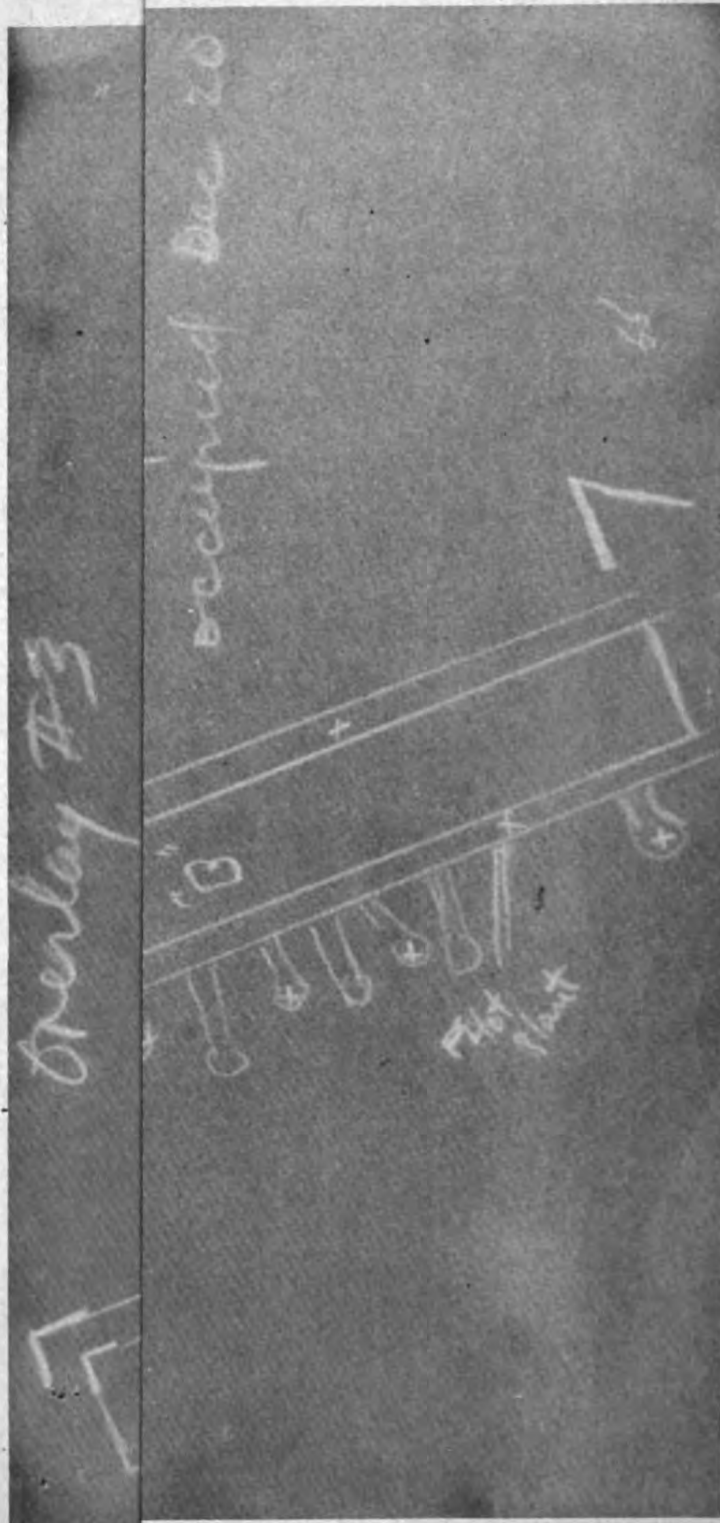
79716 O-46 RC

ITEM NO. 101



79716 O-46 RC

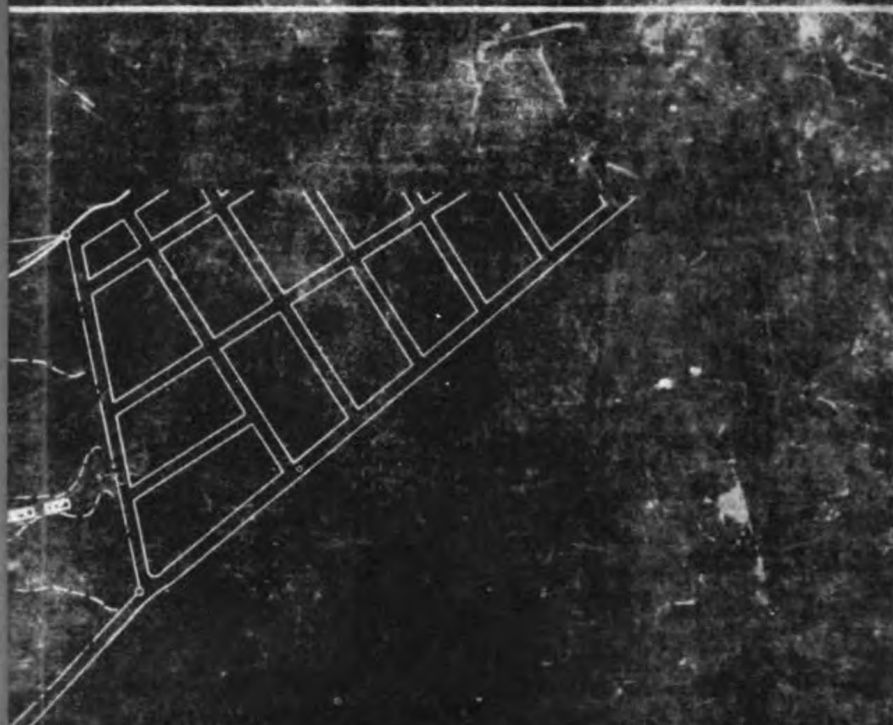
ITEM NO. 102



79716 O-46 RC

ITEM NO. 103

CORPS OF ENGINEERS, U. S. ARMY



AIR CORPS CONSTRUCTION HAWAIIAN DEPARTMENT			
AIRPORTS AND CAMPS			
BELLOWS FIELD, OAHU, T.H.			
DEC 12 1941			
11:30 A.M.			
GENERAL PLAN			
SCALE: 1" = 500 FT		SHEET NO. 1500	
DUTY		DUTY	
U. S. ENGINEER OFFICE HONOLULU, T.H.		APRIL 1942	
SUBMITTED BY: [Signature]		APPROVED BY: [Signature]	
1ST LT. CORPS OF ENGINEERS		1ST LT. CORPS OF ENGINEERS	
CHIEF ENGINEERING DIVISION		CHIEF ENGINEERING DIVISION	
DESIGNED	DRAWN	TRACED	CHECKED TO ACCURACY
DEPT. ENGR.	J.B.	PLAT.	E.S.T.

79716 O-46 RC

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ITEM NO. 104

Black.

6 047, 2 049

11 P40's

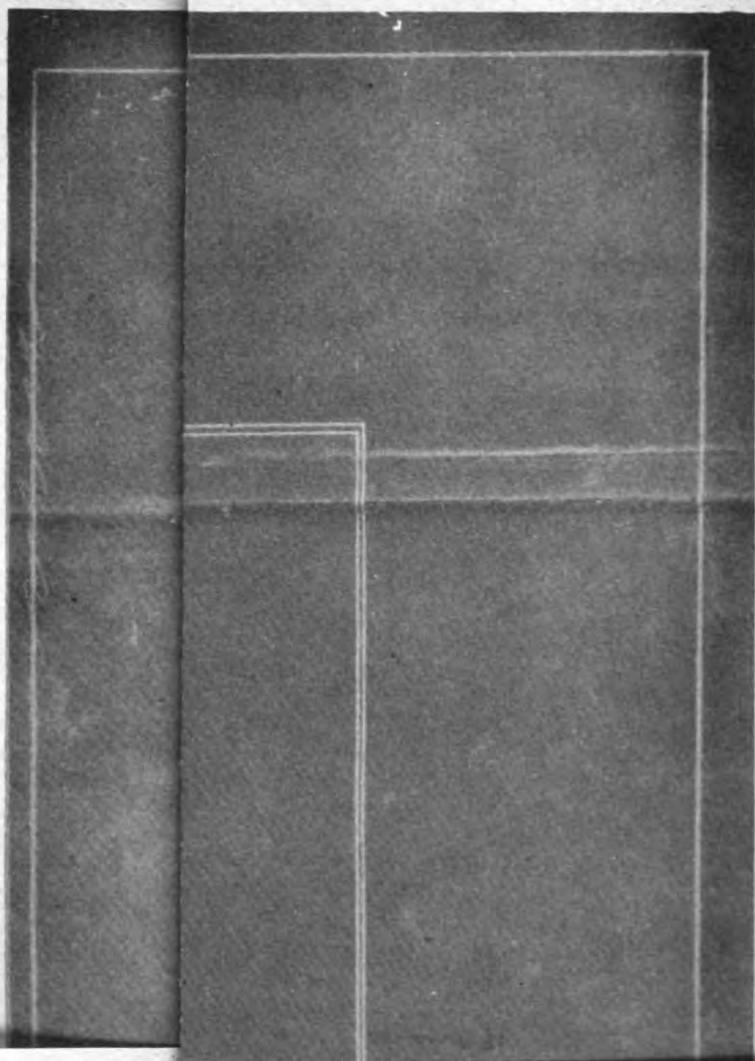
Red 6 047 + 1 04

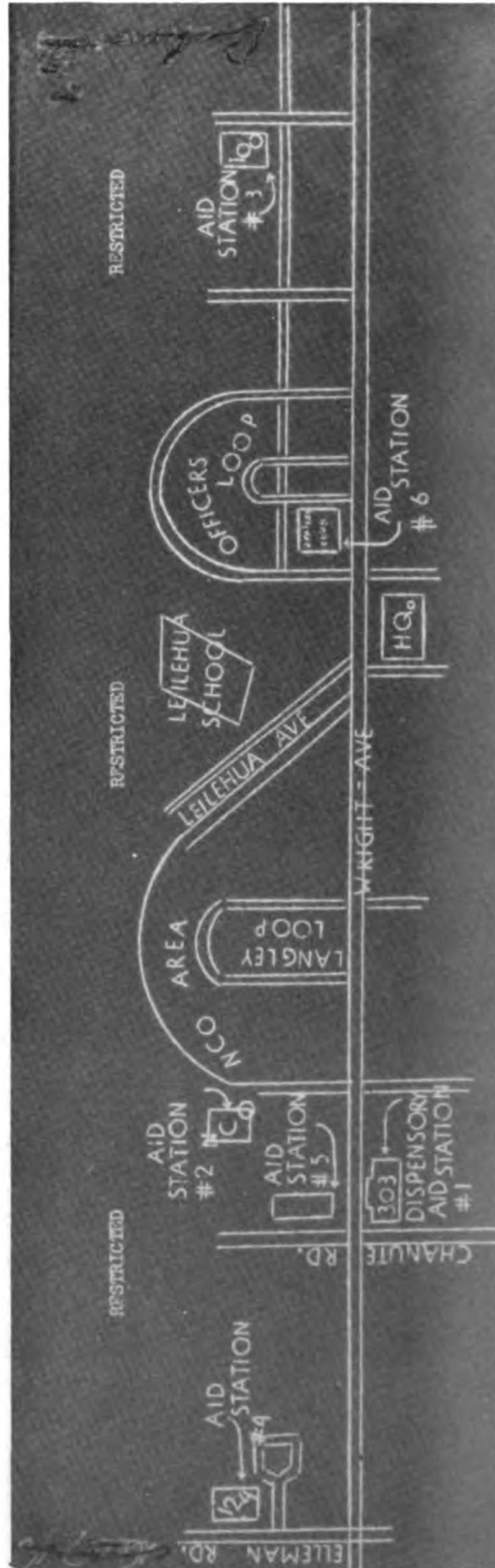
11 P-40's were
area included
prior to S.



79716 O-46 RC

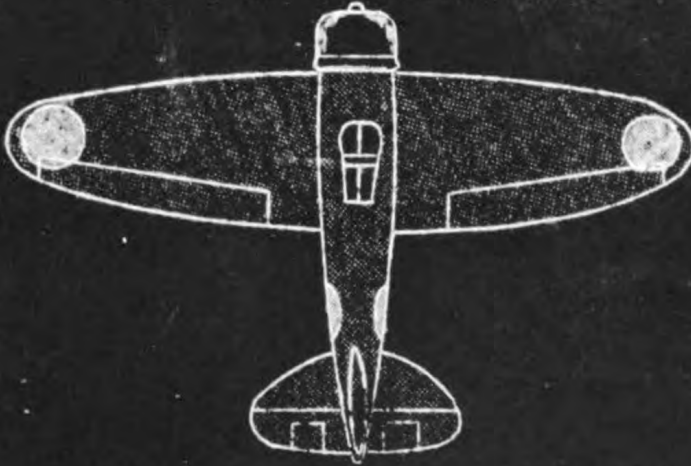
ITEM NO. 105





ITEM NO. 107

JAPANESE NAVY SINGLE SEAT (PURSUIT PLANE) 1941 MODEL



TOP VIEW



SIDE VIEW



FRONT VIEW

79716 O-46 RC



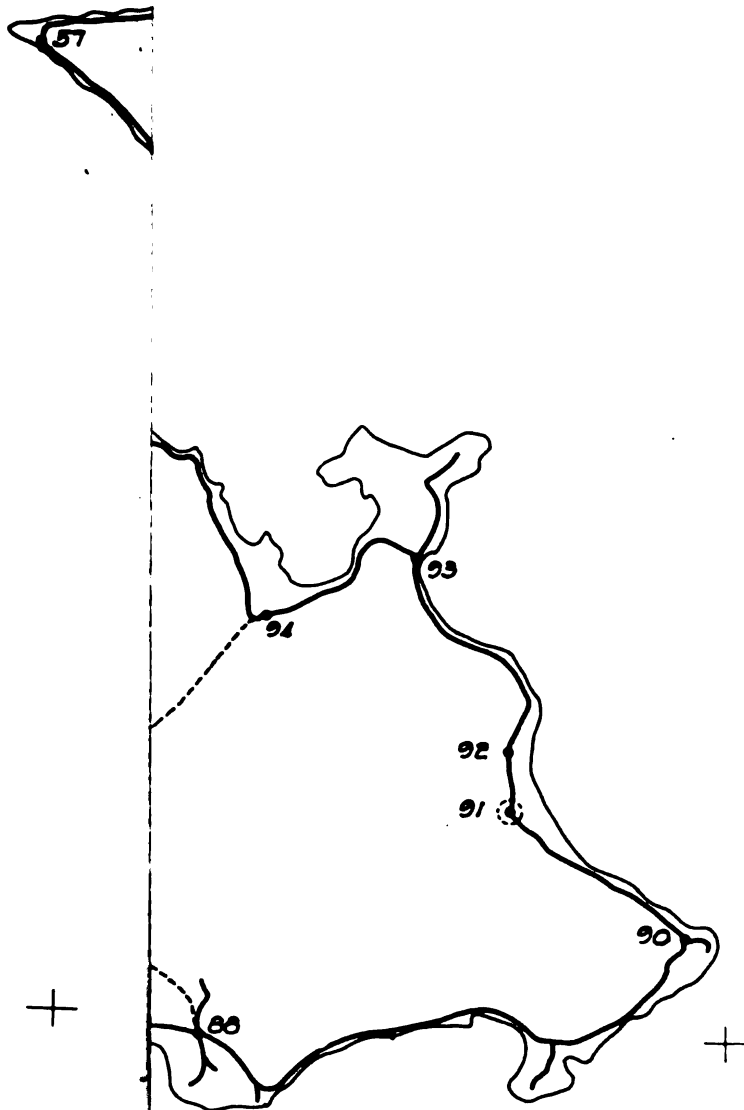
ITEM NO. 108

COMMUNICATIONS INSTALLATIONS

LEGEND

- 58 Numerals indicate Cable Huts (existing).
96 Numerals, circled, indicate Cable Huts
planned but not yet constructed.
Heavy lines, between huts, indicate the
general trace of cable lines (existing).
Broken lines, between huts, indicate the
general trace of proposed cable lines.

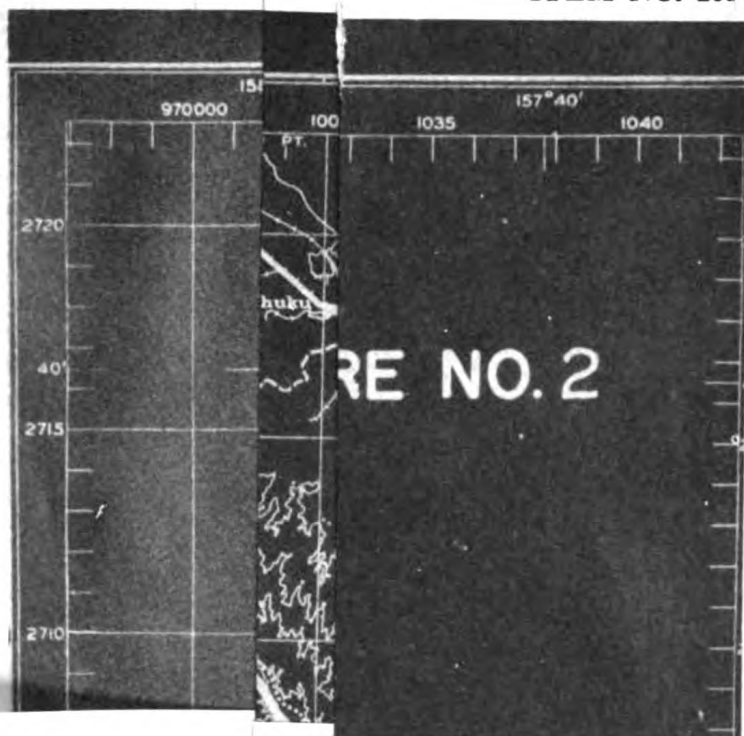
For location of terminals see Current
Signal Operating Instructions.



INCLOSURE NO. 1
Revised July 7, 1941

79716 O-48 RC

ITEM NO. 109



ITEM NO. 110

	DESCRIPTION	
	SOURCE OF SUPPLY	LOCATION
300 KVA	PUULOA SUB-STA.	NEAR PUULOA R.R. STATION
	POWER PLANT	ALAKEA and MALEKAUWILA ST.
	MO GULLY SUB-STA.	PUMEHANA and LIME ST.
	KAMUKO SUB-STA.	HARDING AVE. BET. 9th and 10th AVE.
	KALIH SUB-STA.	UMB and KAWAIHOLO ST.
	CONNECTED TO H.E. CO. SYSTEM	
	WAHAWA SUB-STA.	NEAL ST. OPP. MULIWA ST.
	EWA SUB-STA.	HOMOLIULI, EWA PUMP 7.
	WAIMANALO SUB-STA.	WAIMANALO
	KALIH SUB-STA.	UMB and KAWAIHOLO ST.
	WAIMALU SUB-STA.	PEARL CITY, NON. PLAN. PUMP 7.
	WAIHAWA SUB-STA.	NEAL ST. OPP. MULIWA ST.
	KALIH SUB-STA.	UMB and KAWAIHOLO ST.
	KAPAHULU SUB-STA.	KUHIO AVE. NEAR MAKEE RD.
	POWER PLANT	ALAKEA and MALEKAUWILA ST.

ITEM NO. 111

1000 FT.

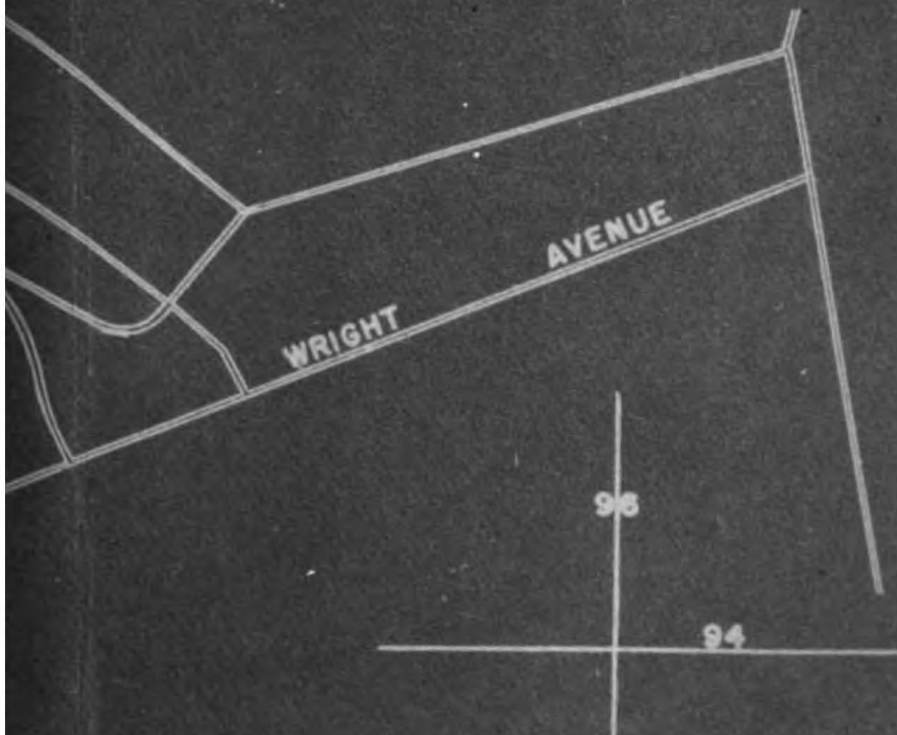
NO. _____

Infantry Division

EVACUATION

LATIONS

ITEM NO. 112



PARTIAL ROAD MAP

Schofield Barracks

85 1/20000

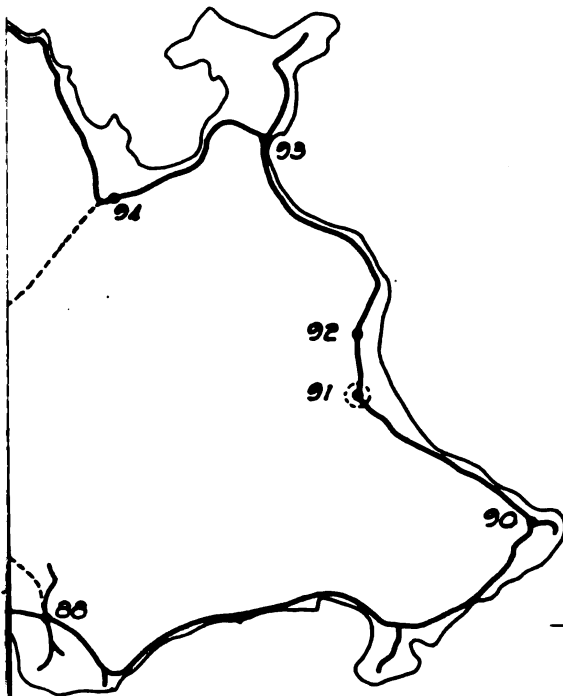
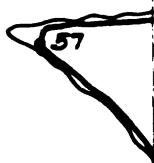
214

ITEM NO. 113

COMMUNICATIONS INSTALLATIONS

LEGEND

- 58 Numerals indicate Cable Huts (existing).
96 Numerals, circled, indicate Cable Huts
 planned but not yet constructed.
— Heavy lines, between huts, indicate the
 general trace of cable lines (existing).
--- Broken lines, between huts, indicate the
 general trace of proposed cable lines.



INCLOSURE NO. 1
Revised July 7, 1941

79716 O-46 RC

ITEM NO. 114



2

ITEM NO. 115



ITEM NO. 116

NS INSTALLATIONS

D

ble Huts (existing).

ndicate Cable Huts

t constructed.

huts, indicate the

able lines (existing).

n huts, indicate the

roposed cable lines.

105

ITEM NO. 117



ITEM NO. 118



STATION	LOCATION
300 KVA SUPPLY	NEAR PUULOA R.R. STATION
T	ALAKEA and HALEKAUWILA ST.
WAIMANALO SUB-STA.	PUMEHANA and LIME ST.
1500 KVA	HARDING AVE. BET. 9th and 10th AVE.
300 KVA	LINE and KAWAHOLO ST.
STA	LINE and KAWAHOLO ST.
E. CO. SYSTEM	
-STA	NEAL ST. OPP. MULIWAI ST.
A	HONOLULU, EWA PUMP T.
UB-STA	WAIMANALO
STA	UMI and KAWAHOLO ST.
H-STA	PEARL CITY, HON. PLAN. PUMP T.
I-STA	NEAL ST. OPP. MULIWAI ST.
ITA	UMI and KAWAHOLO ST.
"	" " " "
B-STA	KUHIO AVE. NEAR MAKEE RD.
T	ALAKEA and HALEKAUWILA ST.

ITEM NO. 119

TE NO. 4

Country Division

EVACUATION

LATIONS

ITEM NO. 120

TELEPHONE INSTALLATIONS

Legend

Cable Huts (existing).
, indicate Cable Huts
yet constructed.

Open huts, indicate the
of cable lines (existing).

Open huts, indicate the
of proposed cable lines.

ITEM NO. 121



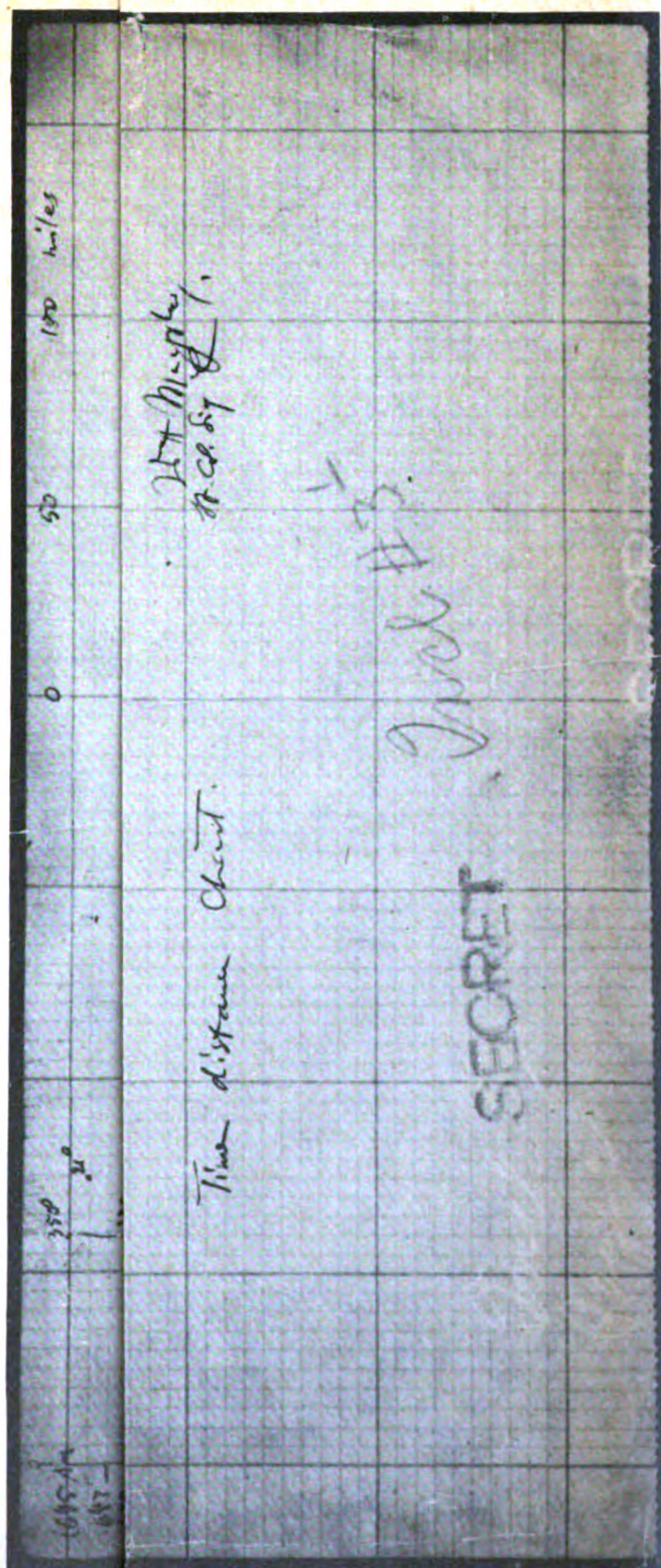
ITEM NO. 122



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ITEM NO. 124

ITEM NO. 125

ITEM NO. 126

CONF

ITEM NO. 127



ITEM NO. 128

2 AIRPLANE
W. C. IN
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YOUR ATTACKING

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